

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022720\
 Data File : VN060262.D
 Acq On : 27 Feb 2020 10:43
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 2/28/2020 12:31:09 PM

Quant Time: Feb 27 12:24:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022720W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 27 12:09:31 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	214146	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	349272	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	317948	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	149177	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	13990	5.36	ug/l	0.00
Spiked Amount			Recovery	=	10.72%	
35) Dibromofluoromethane	7.56	113	9444	4.67	ug/l	0.00
Spiked Amount			Recovery	=	9.34%	
50) Toluene-d8	10.08	98	42361	5.10	ug/l	0.00
Spiked Amount			Recovery	=	10.20%	
62) 4-Bromofluorobenzene	12.40	95	15601	5.08	ug/l	0.00
Spiked Amount			Recovery	=	10.16%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	11042	5.269	ug/l	98
3) Chloromethane	2.04	50	19964	7.499	ug/l	99
4) Vinyl Chloride	2.16	62	16962	5.881	ug/l	98
5) Bromomethane	2.54	94	8517	5.075	ug/l	100
6) Chloroethane	2.68	64	9357	6.303	ug/l	97
7) Trichlorofluoromethane	3.00	101	21364	5.716	ug/l	97
8) Diethyl Ether	3.38	74	8502	6.704	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	12185	5.847	ug/l	98
10) Methyl Iodide	3.93	142	9868	4.114	ug/l	99
11) Tert butyl alcohol	4.73	59	11192	28.506	ug/l #	94
12) 1,1-Dichloroethene	3.72	96	12683	6.221	ug/l	98
13) Acrolein	3.58	56	7540	19.371	ug/l	100
14) Allyl chloride	4.29	41	22602	7.198	ug/l	98
15) Acrylonitrile	4.95	53	28506	29.372	ug/l	98
16) Acetone	3.78	43	22934	21.221	ug/l	99
17) Carbon Disulfide	4.03	76	36750	6.086	ug/l	100
18) Methyl Acetate	4.29	43	17870	8.012	ug/l #	76
19) Methyl tert-butyl Ether	5.00	73	41999	6.081	ug/l	98
20) Methylene Chloride	4.52	84	13676	5.990	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	14359	6.499	ug/l	95
22) Diisopropyl ether	5.91	45	43510	6.476	ug/l	95
23) Vinyl Acetate	5.86	43	166658	29.836	ug/l	99
24) 1,1-Dichloroethane	5.82	63	25033	6.235	ug/l	98
25) 2-Butanone	6.80	43	38947	27.527	ug/l	99
26) 2,2-Dichloropropane	6.80	77	22455	5.947	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	16186	6.243	ug/l	92
28) Bromochloromethane	7.17	49	10280	6.544	ug/l #	94
29) Tetrahydrofuran	7.18	42	28231	31.608	ug/l	99
30) Chloroform	7.35	83	24444	5.877	ug/l	99
31) Cyclohexane	7.63	56	27289	7.322	ug/l #	86
32) 1,1,1-Trichloroethane	7.54	97	21944	5.806	ug/l	99
36) 1,1-Dichloropropene	7.77	75	19012	5.898	ug/l	99
37) Ethyl Acetate	6.89	43	16949	5.725	ug/l	98
38) Carbon Tetrachloride	7.75	117	18288	5.273	ug/l	99

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 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

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 MSVOA_N
 ClientSampleID :
 VSTDIC005

Manual Integrations
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Quant Time: Feb 27 12:24:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022720W.M
 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	22496	5.649	ug/l	100
40) Benzene	8.02	78	54953	5.725	ug/l	98
41) Methacrylonitrile	7.15	41	7799m	6.213	ug/l	
42) 1,2-Dichloroethane	8.10	62	19781	5.859	ug/l	98
43) Isopropyl Acetate	8.14	43	30542	6.014	ug/l	99
44) Trichloroethene	8.82	130	15254	5.755	ug/l	99
45) 1,2-Dichloropropane	9.10	63	14496	6.047	ug/l	100
46) Dibromomethane	9.19	93	9224	5.530	ug/l	97
47) Bromodichloromethane	9.39	83	17908	5.266	ug/l	98
48) Methyl methacrylate	9.18	41	12966	5.695	ug/l	99
49) 1,4-Dioxane	9.18	88	4174	113.178	ug/l	97
51) 4-Methyl-2-Pentanone	9.97	43	84928	29.035	ug/l	100
52) Toluene	10.14	92	33957	5.542	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	22703	5.881	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	23570	5.793	ug/l	97
55) 1,1,2-Trichloroethane	10.55	97	13619	5.695	ug/l	97
56) Ethyl methacrylate	10.42	69	17905	5.251	ug/l	92
57) 1,3-Dichloropropane	10.70	76	21858	5.507	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.68	63	53193	32.973	ug/l	99
59) 2-Hexanone	10.74	43	61451	27.619	ug/l	99
60) Dibromochloromethane	10.89	129	13177	4.870	ug/l	96
61) 1,2-Dibromoethane	11.00	107	13234	5.320	ug/l	97
64) Tetrachloroethene	10.62	164	16988	6.912	ug/l	95
65) Chlorobenzene	11.43	112	35531	5.513	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	12923	5.312	ug/l	99
67) Ethyl Benzene	11.50	91	64818	5.557	ug/l	98
68) m/p-Xylenes	11.62	106	48858	11.188	ug/l	100
69) o-Xylene	11.94	106	23764	5.653	ug/l	97
70) Styrene	11.96	104	36023	5.306	ug/l	99
71) Bromoform	12.12	173	8608	4.456	ug/l #	96
73) Isopropylbenzene	12.25	105	63421	5.684	ug/l	99
74) N-amyl acetate	12.06	43	26077	6.348	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	16502	5.199	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	19141m	6.666	ug/l	
77) Bromobenzene	12.52	156	14989	5.441	ug/l	98
78) n-propylbenzene	12.59	91	73582	5.767	ug/l	100
79) 2-Chlorotoluene	12.67	91	43459	5.795	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	52104	5.609	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	6355	5.419	ug/l #	59
82) 4-Chlorotoluene	12.77	91	44452	5.777	ug/l	99
83) tert-Butylbenzene	12.99	119	45424	5.522	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	52668	5.744	ug/l	99
85) sec-Butylbenzene	13.17	105	60790	5.594	ug/l	99
86) p-Isopropyltoluene	13.28	119	54041	5.486	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	27328	5.588	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	26928	5.512	ug/l	94
89) n-Butylbenzene	13.61	91	48660	5.591	ug/l	98
90) Hexachloroethane	13.87	117	7287	4.088	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	25830	5.405	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	3498	4.741	ug/l	100

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Sample : VSTDICC005
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
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Quant Title : SW846 8260
QLast Update : Thu Feb 27 12:09:31 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	17116	6.040	ug/l	97
94) Hexachlorobutadiene	15.01	225	8436	5.195	ug/l	98
95) Naphthalene	15.13	128	50660	6.529	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	16335	5.813	ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

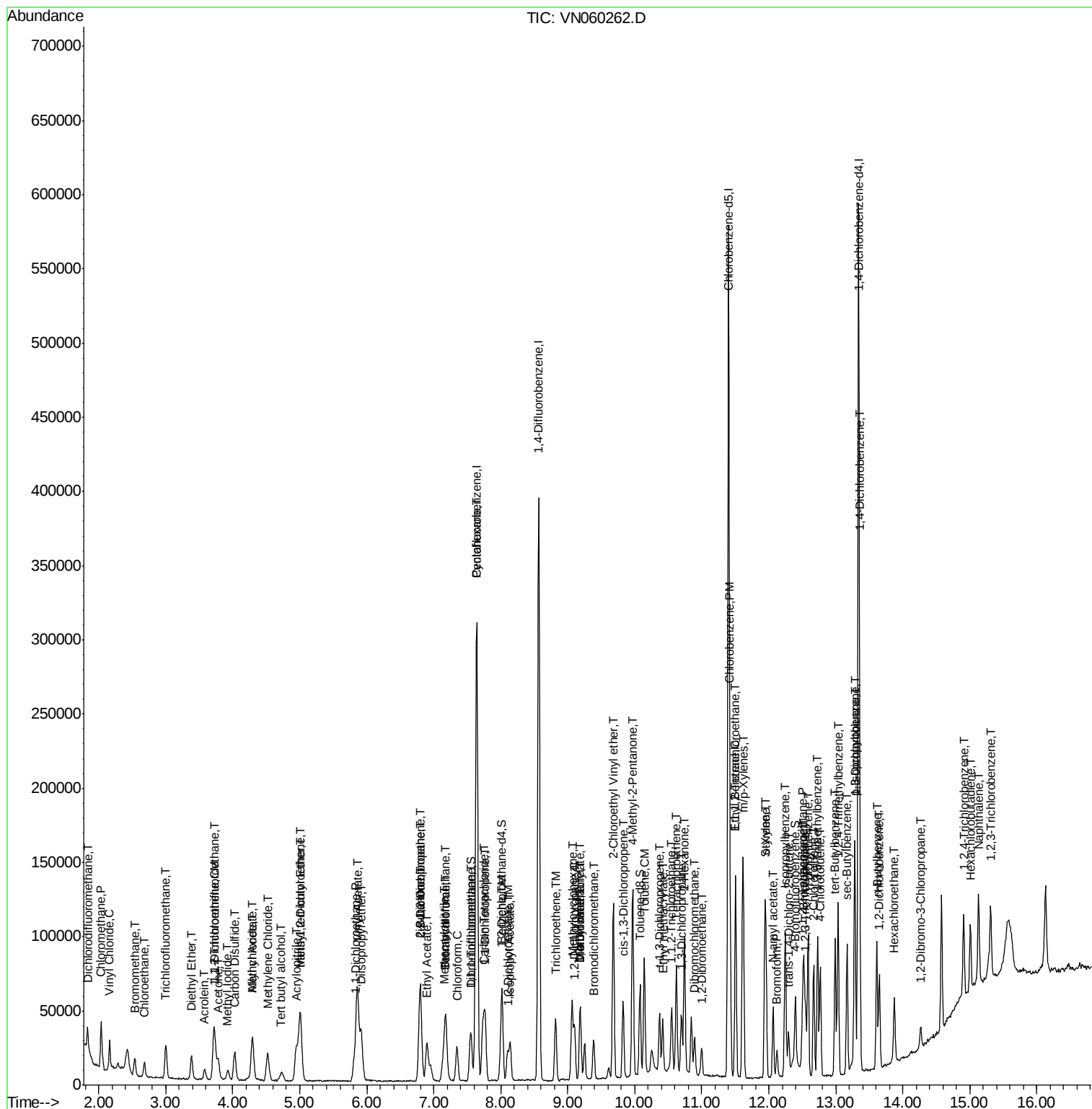
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Data File : VN060262.D
Acq On : 27 Feb 2020 10:43
Operator : JC/MD
Sample : VSTDIC005
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 4 Sample Multiplier: 1

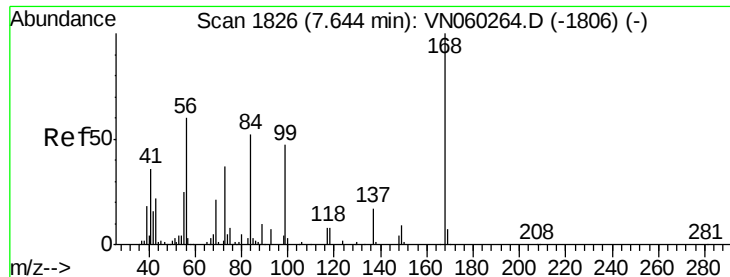
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Manual Integrations
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2/28/2020 12:31:09 PM

Quant Time: Feb 27 12:24:30 2020
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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060262.D

Acq: 27 Feb 2020 10:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 214146

Ion Ratio Lower Upper

168 100

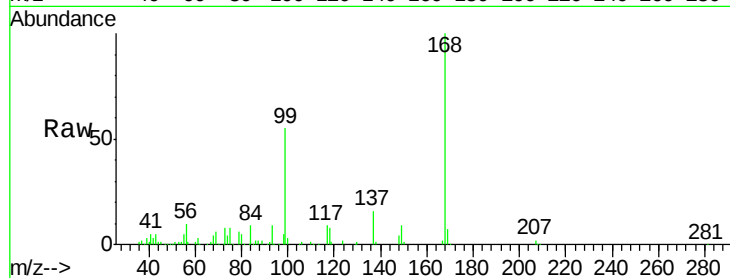
99 55.3 44.7 67.1

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

100000

80000

60000

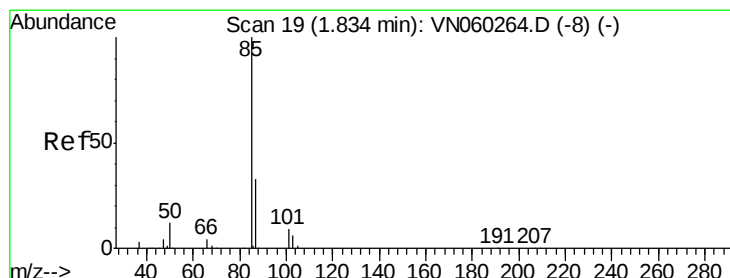
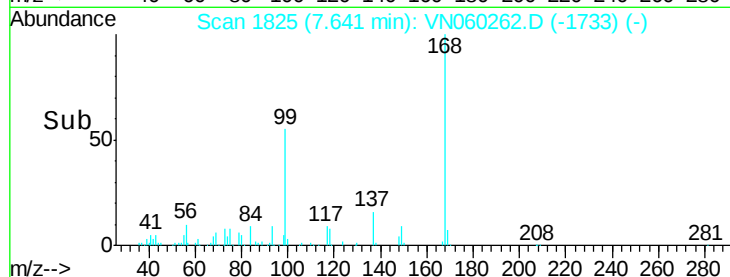
40000

20000

0

7.55 7.60 7.65 7.70 7.75

Time-->



#2

Dichlorodifluoromethane

Concen: 5.269 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN060262.D

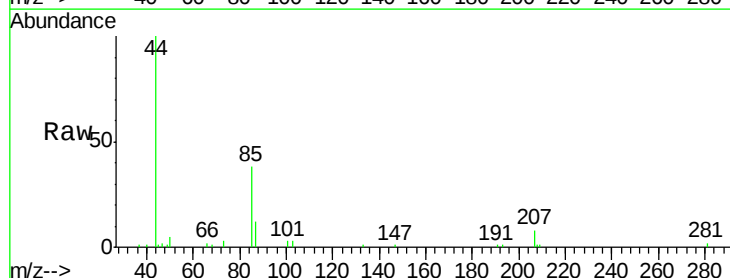
Acq: 27 Feb 2020 10:43

Tgt Ion: 85 Resp: 11042

Ion Ratio Lower Upper

85 100

87 31.3 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

8000

6000

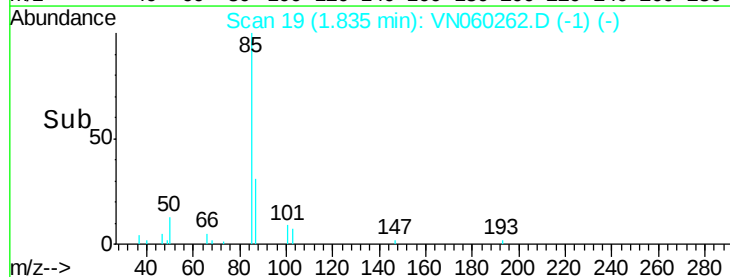
4000

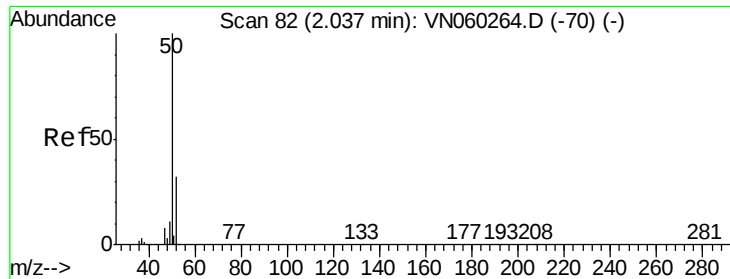
2000

0

1.80 1.85

Time-->





#3

Chloromethane

Concen: 7.499 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060262.D

Acq: 27 Feb 2020 10:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 19964

Ion Ratio Lower Upper

50 100

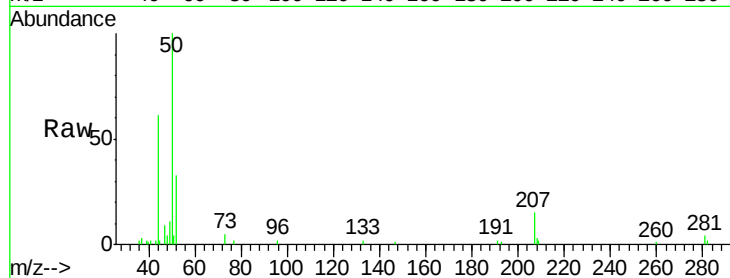
52 32.5 25.6 38.4

Manual Integrations

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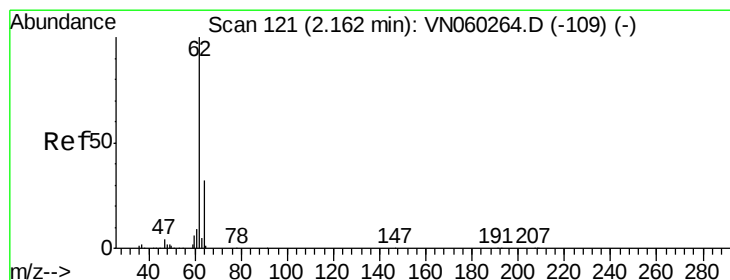
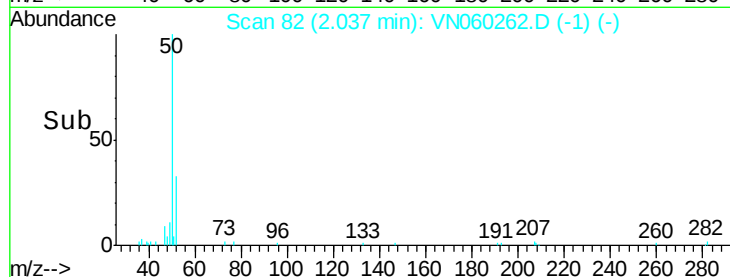
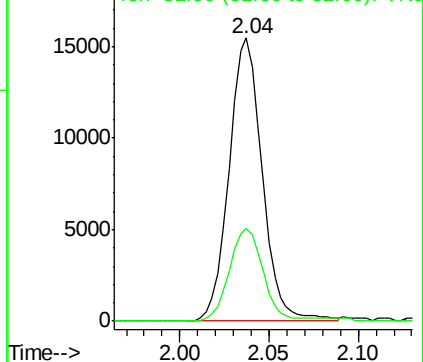
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 5.881 ug/l

RT: 2.16 min Scan# 121

Delta R.T. 0.00 min

Lab File: VN060262.D

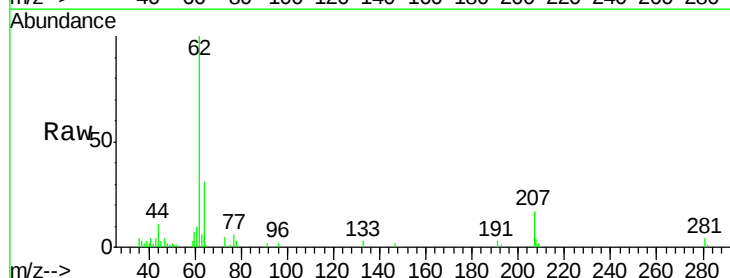
Acq: 27 Feb 2020 10:43

Tgt Ion: 62 Resp: 16962

Ion Ratio Lower Upper

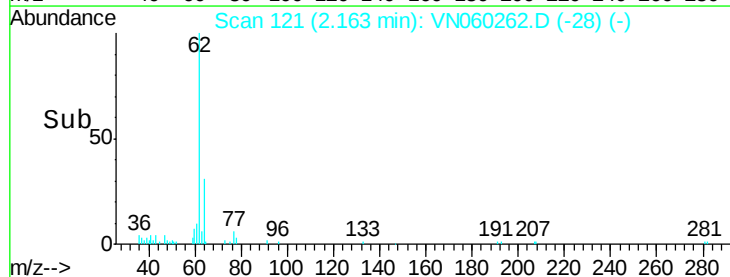
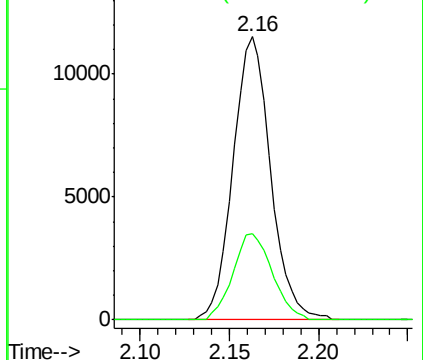
62 100

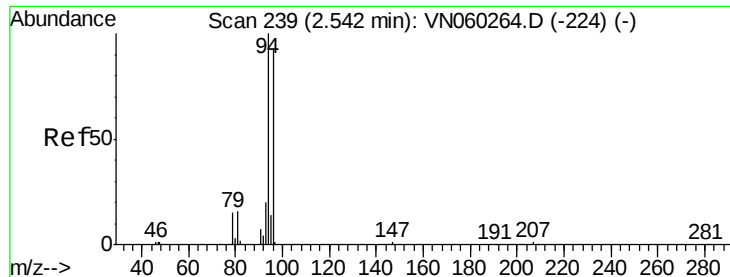
64 30.6 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 5.075 ug/l

RT: 2.54 min Scan# 237

Delta R.T. -0.01 min

Lab File: VN060262.D

Acq: 27 Feb 2020 10:43

Instrument :

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ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 8517

Ion Ratio Lower Upper

94 100

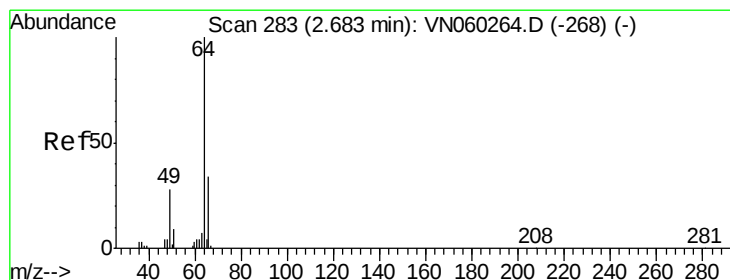
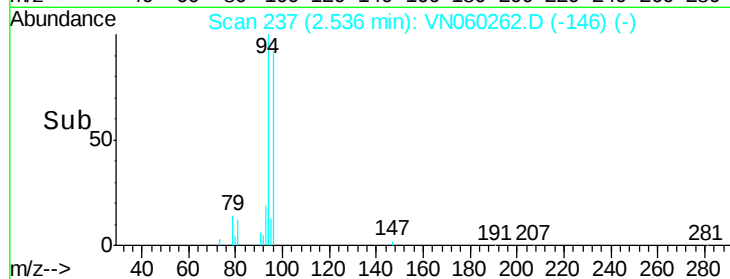
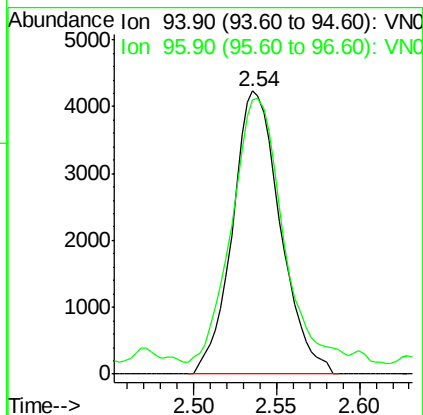
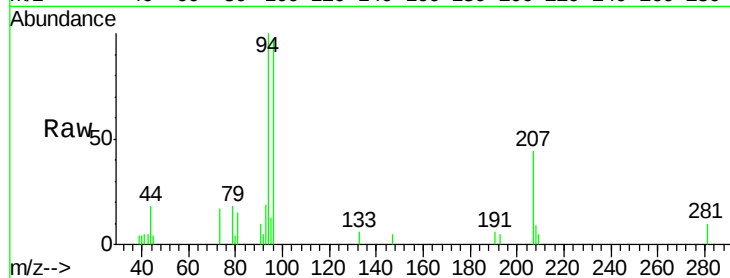
96 92.4 74.3 111.5

Manual Integrations

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#6

Chloroethane

Concen: 6.303 ug/l

RT: 2.68 min Scan# 282

Delta R.T. -0.00 min

Lab File: VN060262.D

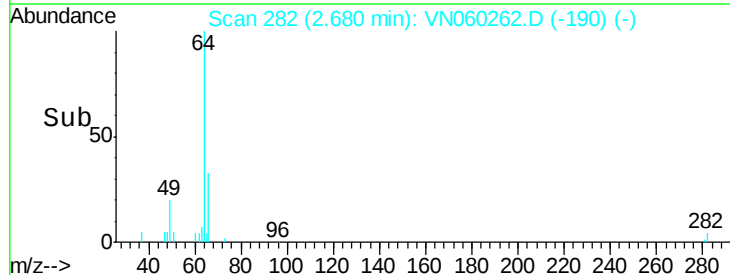
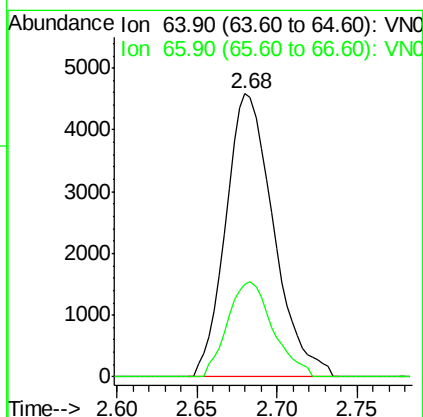
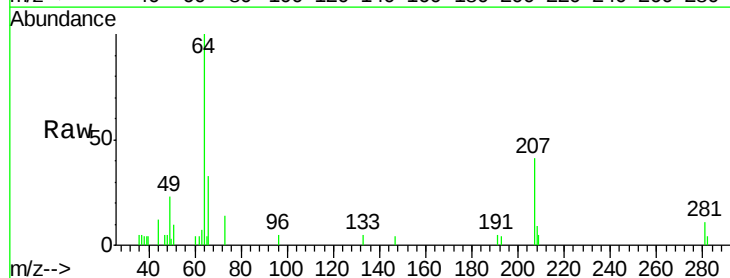
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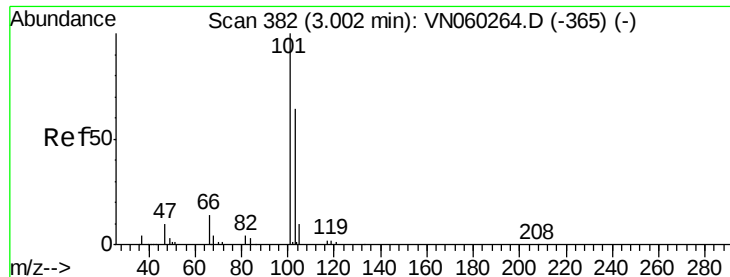
Tgt Ion: 64 Resp: 9357

Ion Ratio Lower Upper

64 100

66 32.6 27.4 41.2





#7

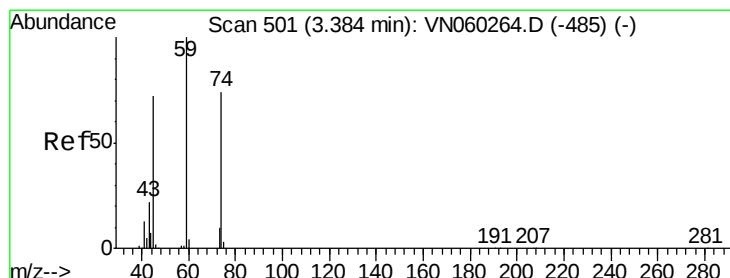
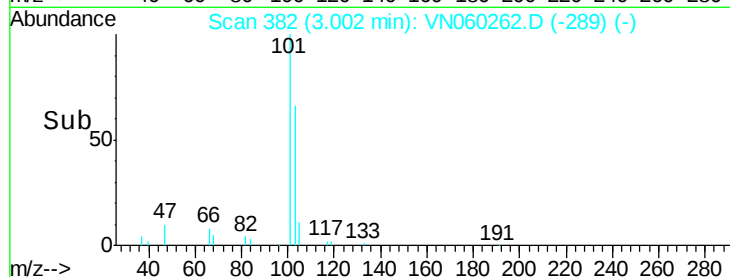
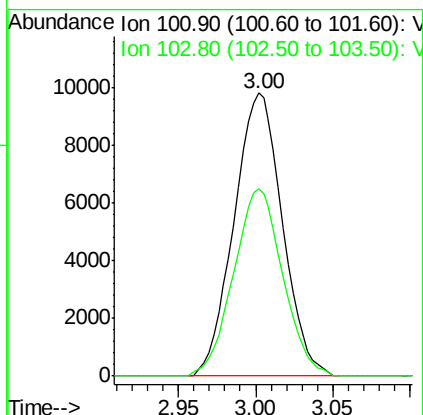
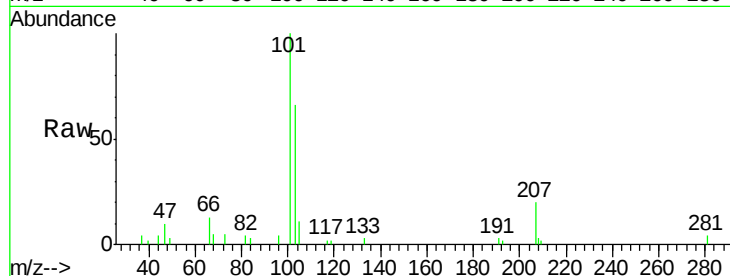
Trichlorofluoromethane
 Concen: 5.716 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. 0.00 min
 Lab File: VN060262.D
 Acq: 27 Feb 2020 10:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.2	51.3	76.9

Manual Integrations
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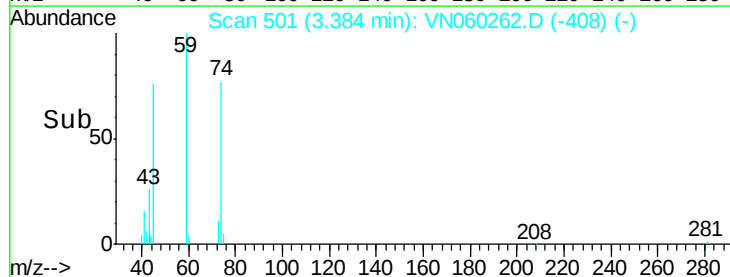
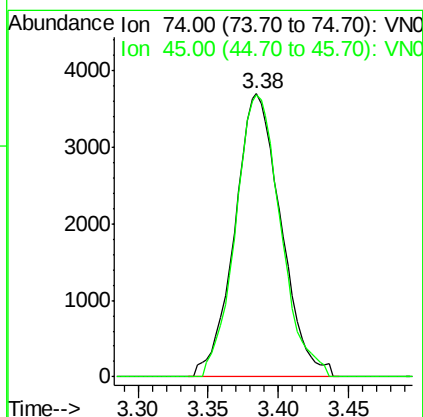
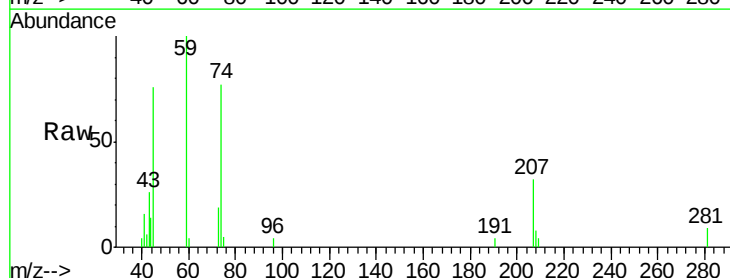
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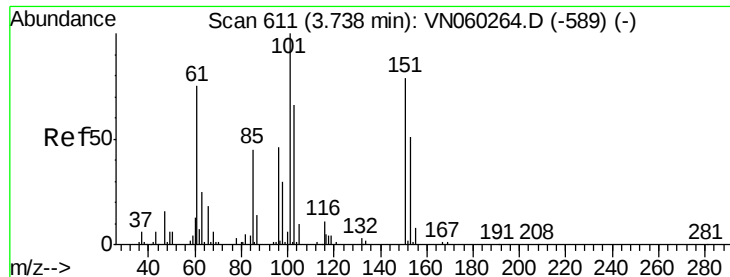


#8

Diethyl Ether
 Concen: 6.704 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. 0.00 min
 Lab File: VN060262.D
 Acq: 27 Feb 2020 10:43

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.0	49.5	148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.847 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN060262.D

Acq: 27 Feb 2020 10:43

Instrument :

MSVOA_N

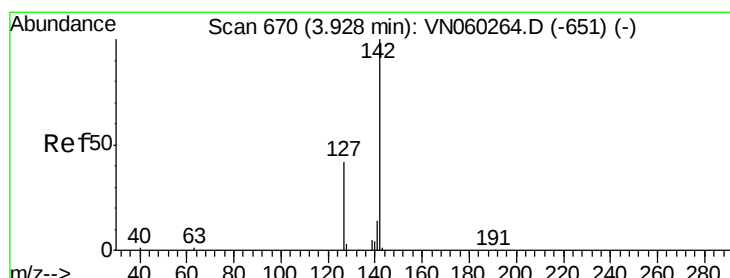
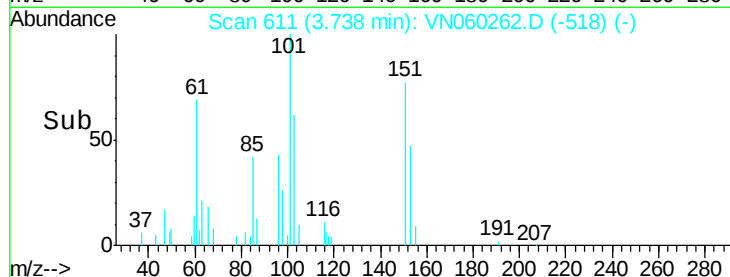
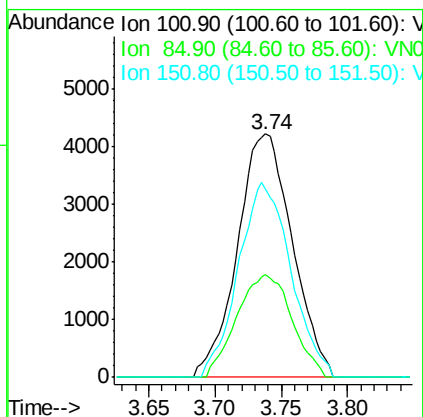
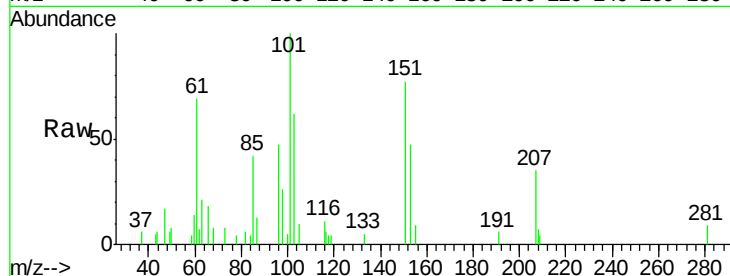
ClientSampleId :

VSTDIC005

Tot Ion:	101	Resp:	12185
Ion Ratio	Lower	Upper	
101	100		
85	42.4	35.4	53.2
151	76.7	62.0	93.0

Manual Integrations
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#10

Methyl Iodide

Concen: 4.114 ug/l

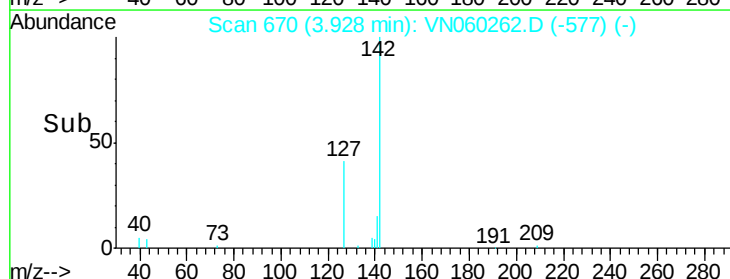
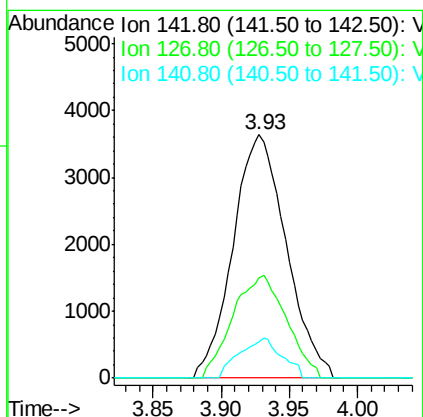
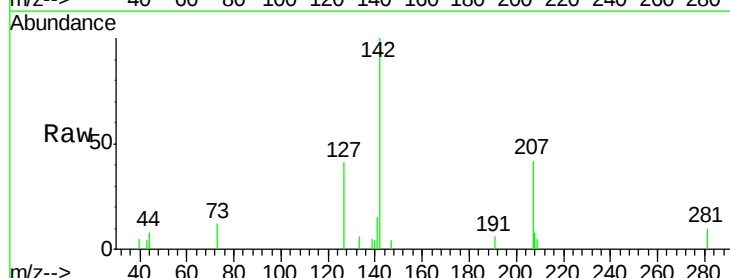
RT: 3.93 min Scan# 670

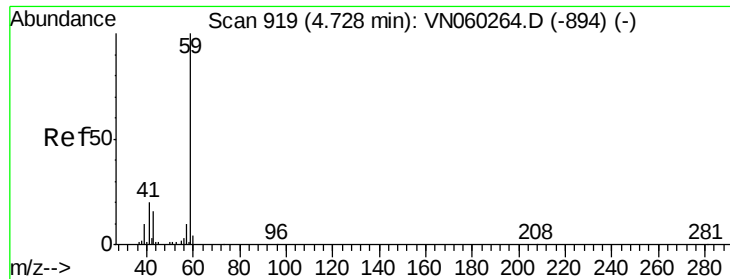
Delta R.T. 0.00 min

Lab File: VN060262.D

Acq: 27 Feb 2020 10:43

Tgt Ion:	142	Resp:	9868
Ion Ratio	Lower	Upper	
142	100		
127	42.6	33.8	50.6
141	13.1	11.1	16.7





#11

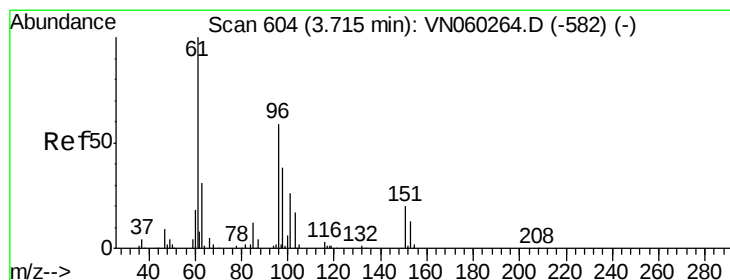
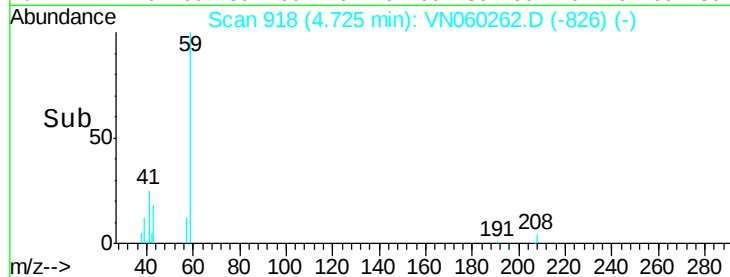
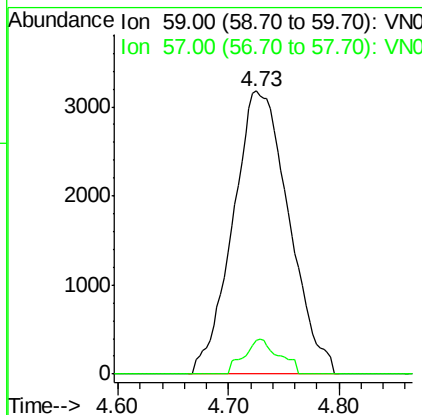
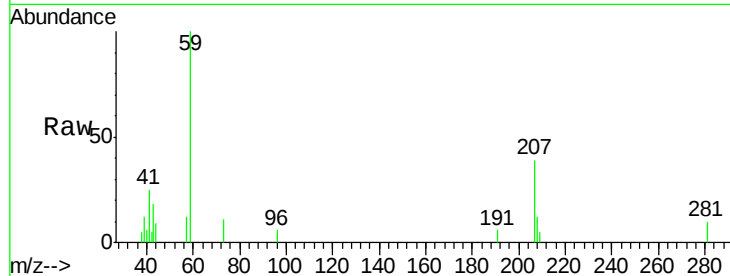
Tert butyl alcohol
 Concen: 28.506 ug/l
 RT: 4.73 min Scan# 918
 Delta R.T. -0.00 min
 Lab File: VN060262.D
 Acq: 27 Feb 2020 10:43

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
59	100		
57	7.8	8.2	12.2#

Manual Integrations
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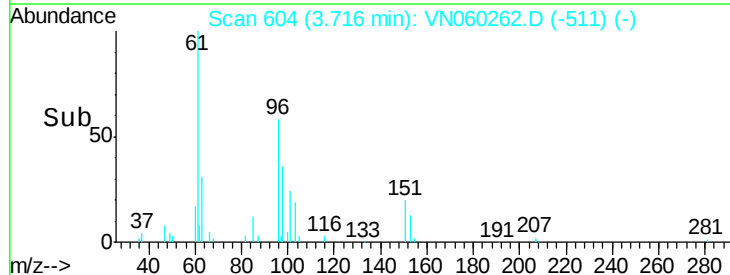
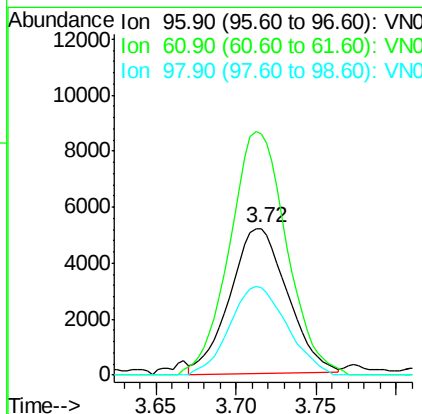
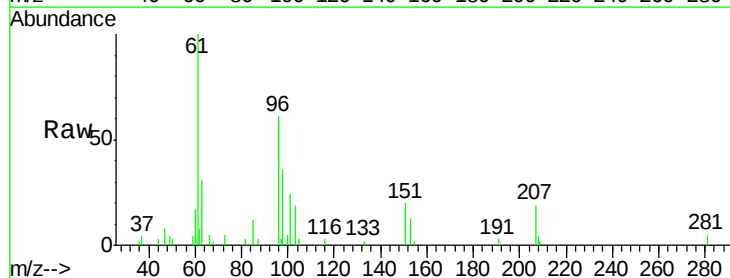
MMDadoda
 2/28/2020 12:31:09 PM

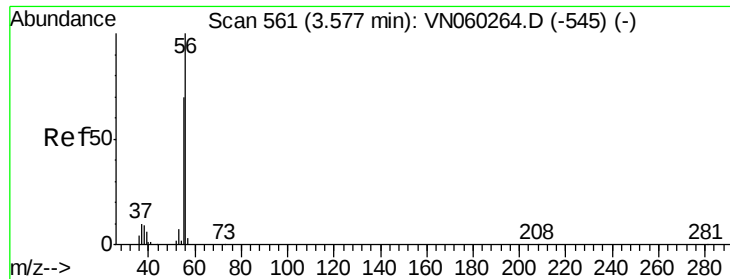


#12

1,1-Dichloroethene
 Concen: 6.221 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VN060262.D
 Acq: 27 Feb 2020 10:43

Tgt Ion	Ratio	Lower	Upper
96	100		
61	167.2	135.4	203.0
98	62.2	51.6	77.4





#13

Acrolein

Concen: 19.371 ug/l

RT: 3.58 min Scan# 561

Delta R.T. 0.00 min

Lab File: VN060262.D

Acq: 27 Feb 2020 10:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 7540

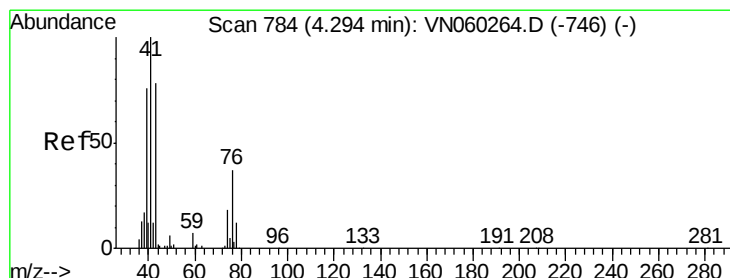
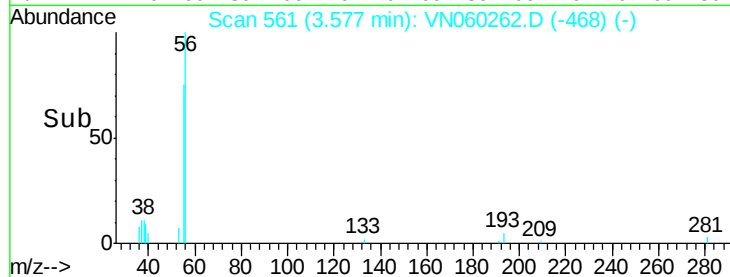
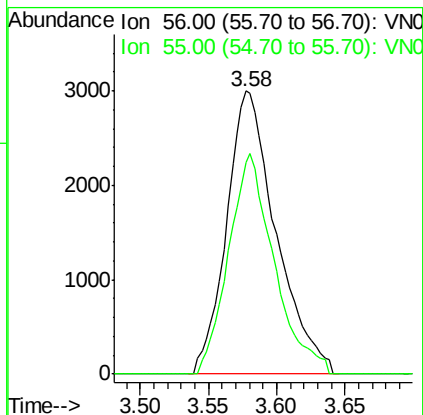
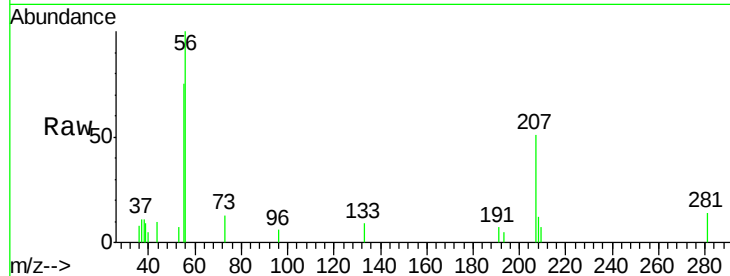
Ion Ratio Lower Upper

56 100

55 71.7 57.4 86.0

Manual Integrations
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#14

Allyl chloride

Concen: 7.198 ug/l

RT: 4.29 min Scan# 784

Delta R.T. 0.00 min

Lab File: VN060262.D

Acq: 27 Feb 2020 10:43

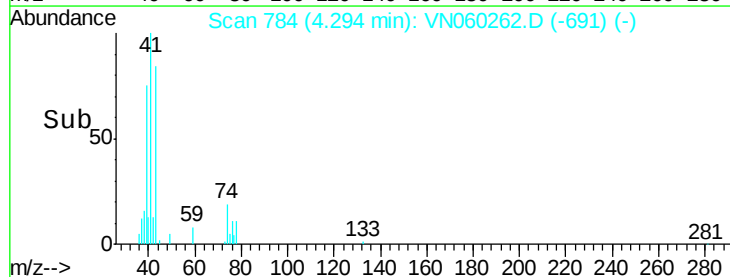
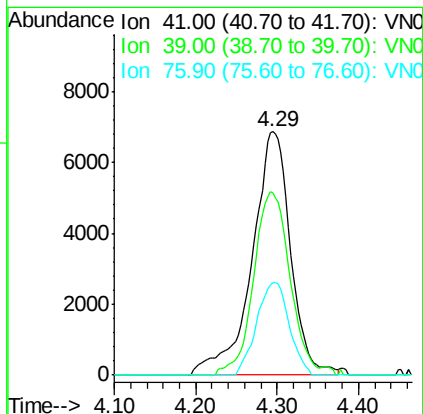
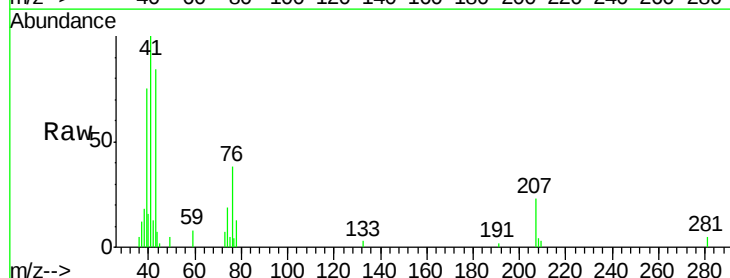
Tgt Ion: 41 Resp: 22602

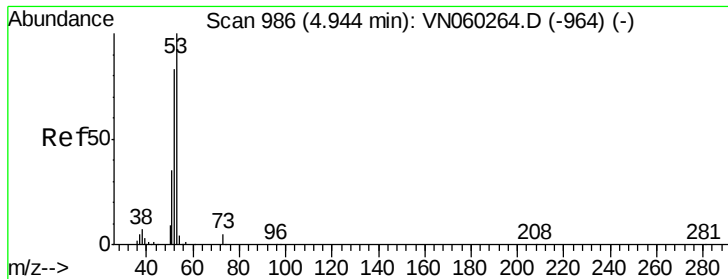
Ion Ratio Lower Upper

41 100

39 70.3 55.4 83.2

76 31.9 27.0 40.6





#15

Acrylonitrile

Concen: 29.372 ug/l

RT: 4.95 min Scan# 987

Delta R.T. 0.00 min

Lab File: VN060262.D

Acq: 27 Feb 2020 10:43

Instrument :

MSVOA_N

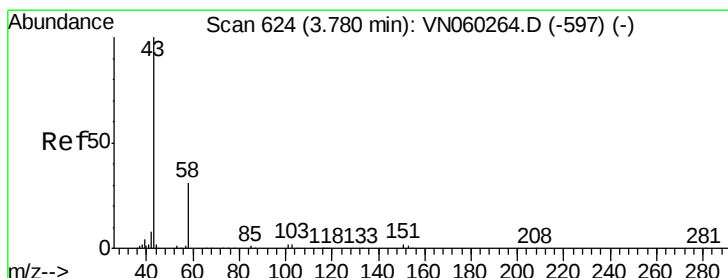
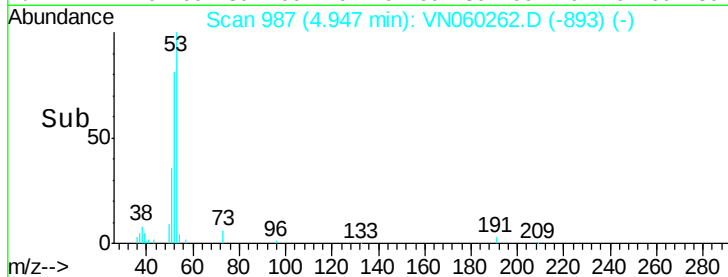
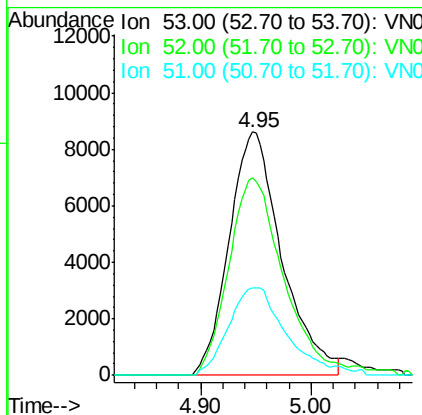
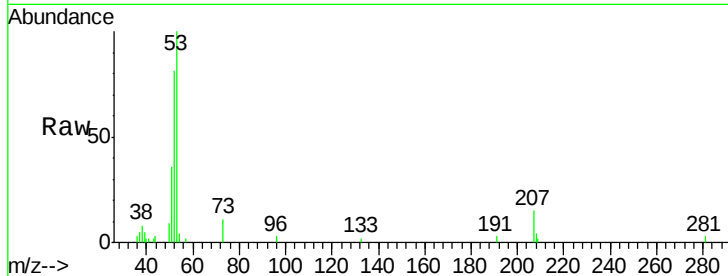
ClientSampleId :

VSTDIC005

Tot Ion:	53	Resp:	28506
Ion	Ratio	Lower	Upper
53	100		
52	83.8	66.8	100.2
51	39.5	29.0	43.6

Manual Integrations
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#16

Acetone

Concen: 21.221 ug/l

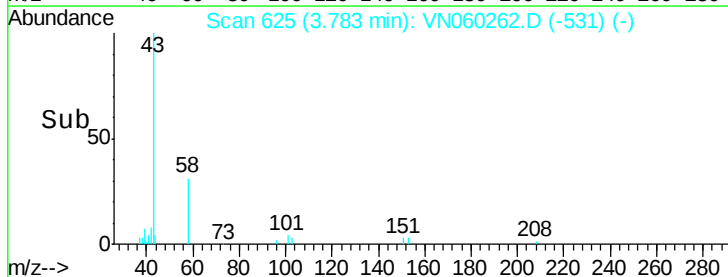
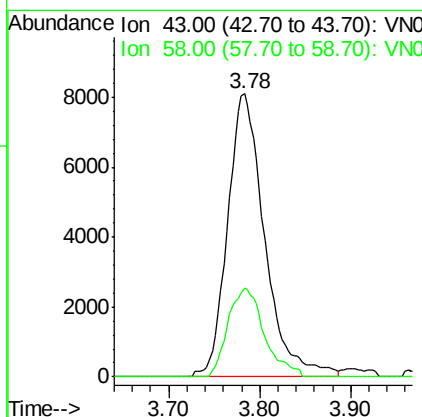
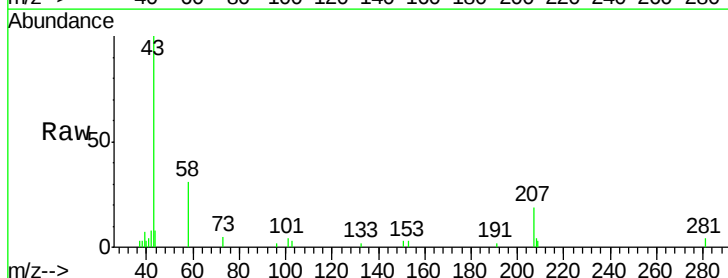
RT: 3.78 min Scan# 625

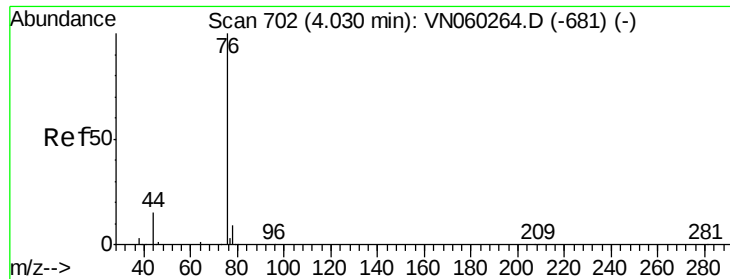
Delta R.T. 0.00 min

Lab File: VN060262.D

Acq: 27 Feb 2020 10:43

Tgt Ion:	43	Resp:	22934
Ion	Ratio	Lower	Upper
43	100		
58	31.3	24.6	36.8





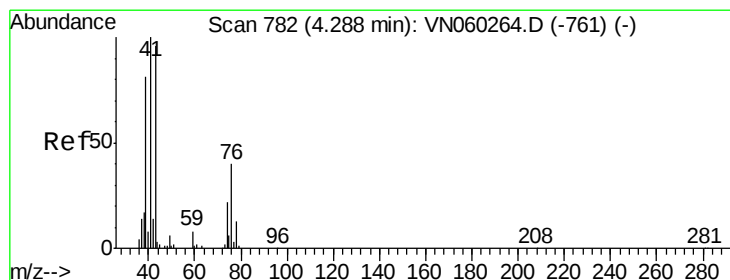
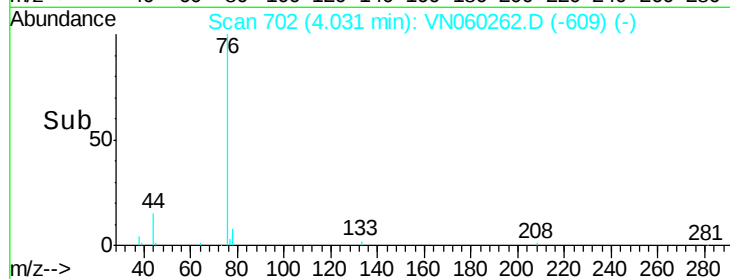
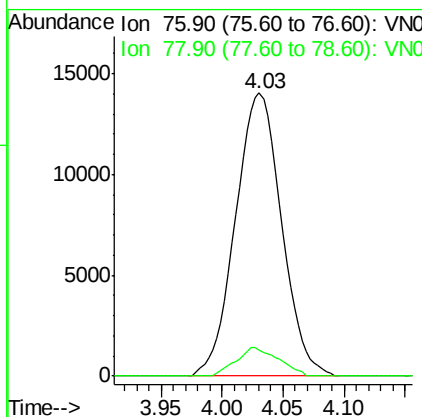
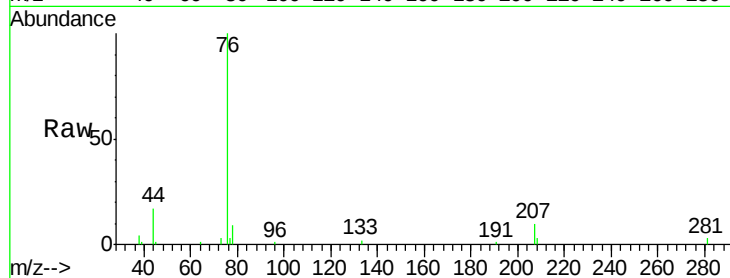
#17
Carbon Disulfide
Concen: 6.086 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN060262.D
Acq: 27 Feb 2020 10:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.4	11.0

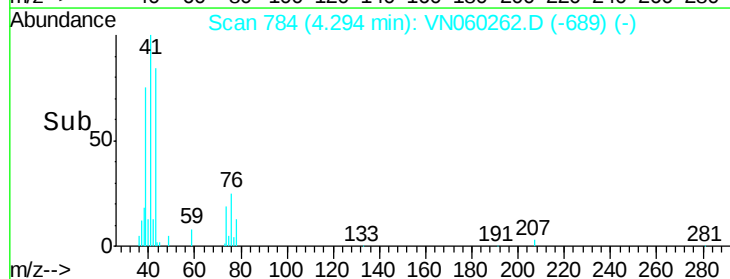
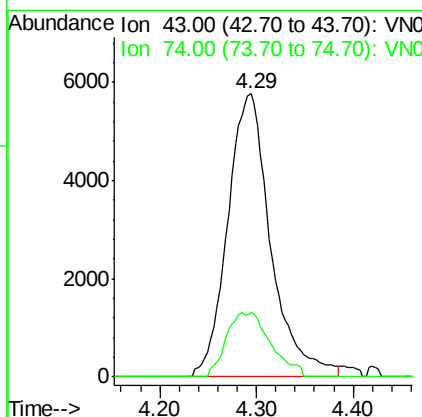
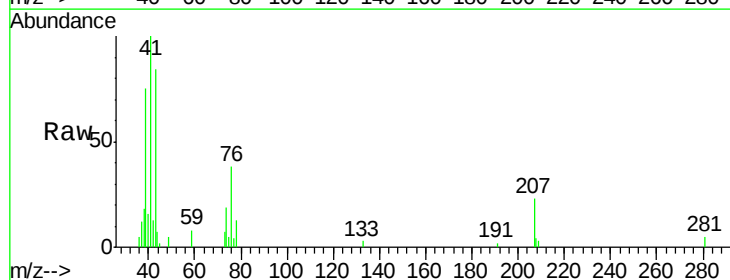
Manual Integrations
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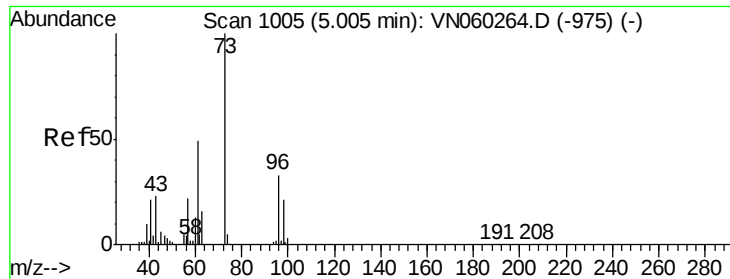
MMDadoda
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#18
Methyl Acetate
Concen: 8.012 ug/l
RT: 4.29 min Scan# 784
Delta R.T. 0.01 min
Lab File: VN060262.D
Acq: 27 Feb 2020 10:43

Tgt Ion	Ratio	Lower	Upper
43	100		
74	11.7	18.8	28.2#





#19

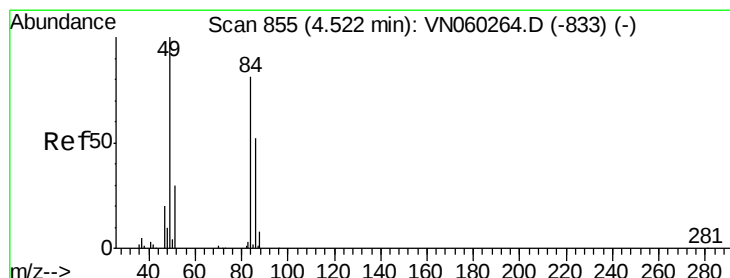
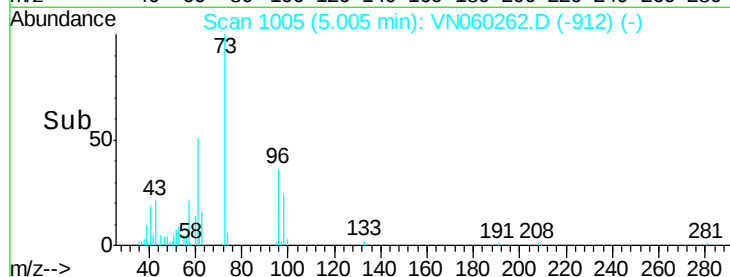
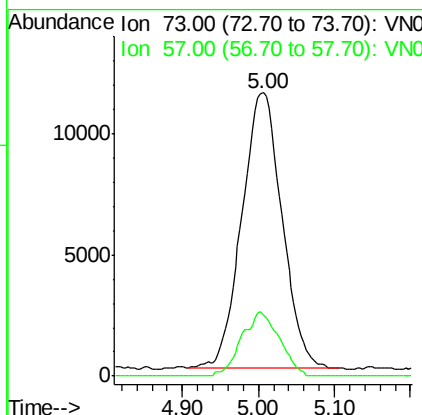
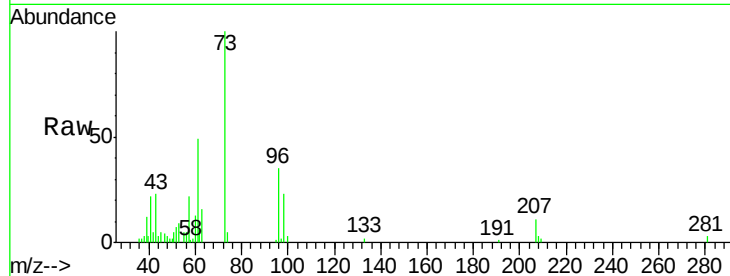
Methyl tert-butyl Ether
 Concen: 6.081 ug/l
 RT: 5.00 min Scan# 1005
 Delta R.T. 0.00 min
 Lab File: VN060262.D
 Acq: 27 Feb 2020 10:43

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.7	17.3	25.9

Manual Integrations
 APPROVED

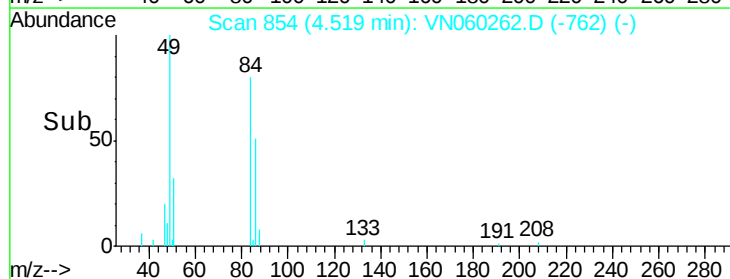
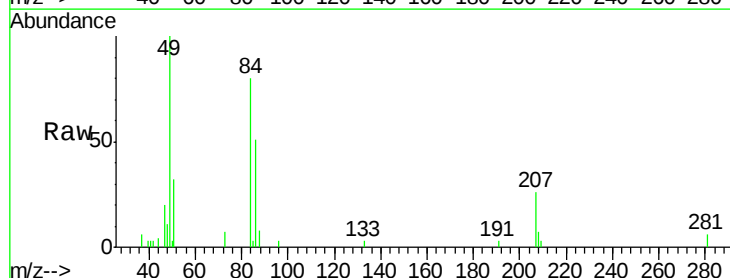
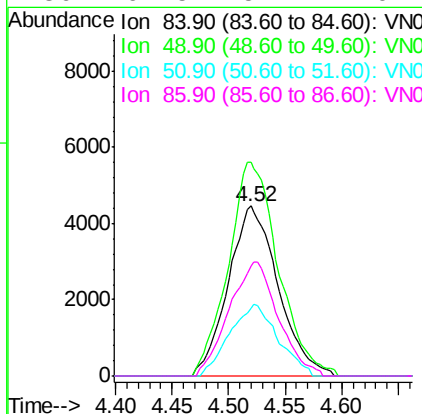
MMDadoda
 2/28/2020 12:31:09 PM

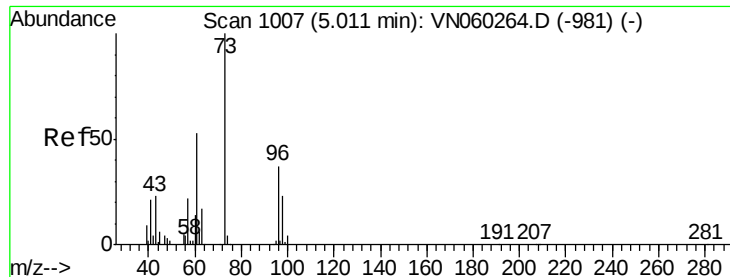


#20

Methylene Chloride
 Concen: 5.990 ug/l
 RT: 4.52 min Scan# 854
 Delta R.T. -0.00 min
 Lab File: VN060262.D
 Acq: 27 Feb 2020 10:43

Tgt Ion	Ratio	Lower	Upper
84	100		
49	125.7	99.3	148.9
51	39.7	30.1	45.1
86	64.5	51.1	76.7





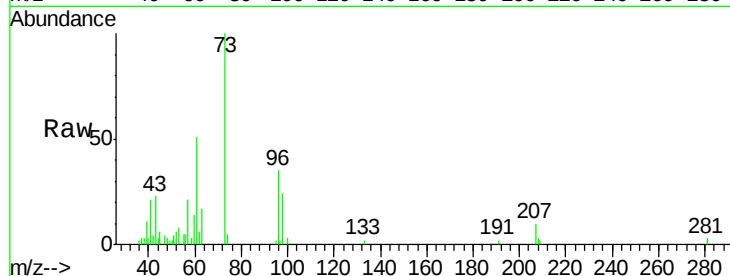
#21
trans-1,2-Dichloroethene
Concen: 6.499 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VN060262.D
Acq: 27 Feb 2020 10:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	146.4	113.8	170.8
98	67.5	48.8	73.2

Manual Integrations
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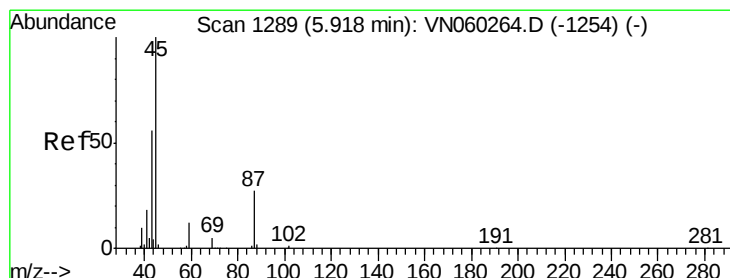
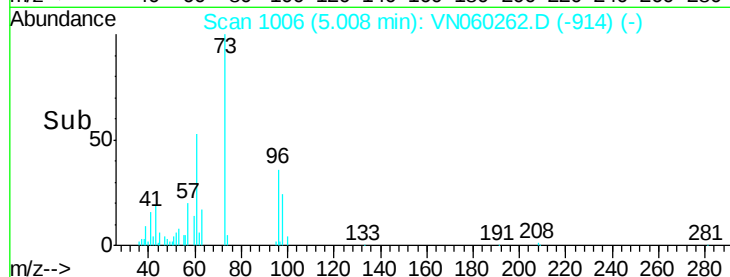
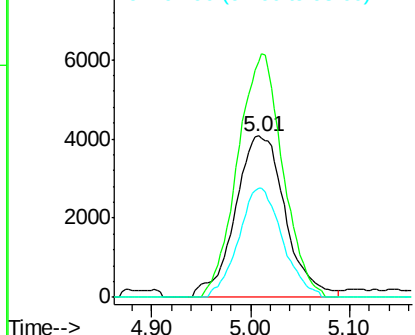


Abundance

Ion 95.90 (95.60 to 96.60): VNO

Ion 60.90 (60.60 to 61.60): VNO

Ion 97.90 (97.60 to 98.60): VNO



#22
Diisopropyl ether
Concen: 6.476 ug/l
RT: 5.91 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VN060262.D
Acq: 27 Feb 2020 10:43

Tgt Ion	Ratio	Lower	Upper
45	100		
43	66.1	48.6	72.8
87	28.2	22.2	33.2
59	10.7	9.5	14.3

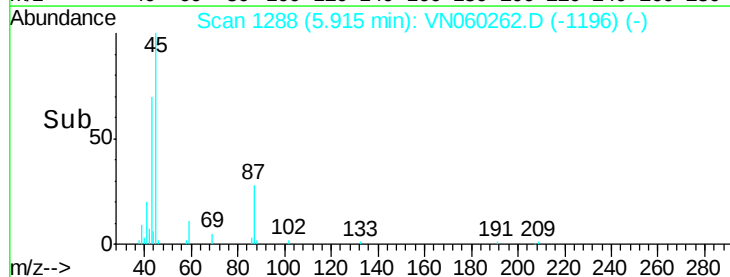
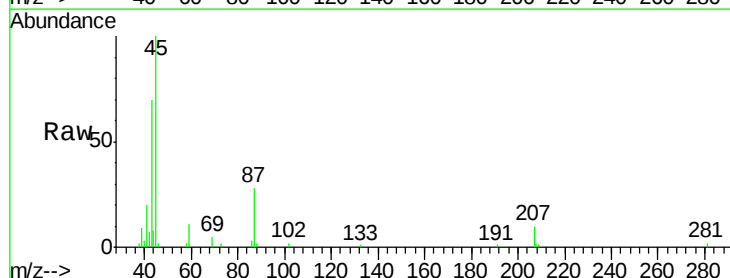
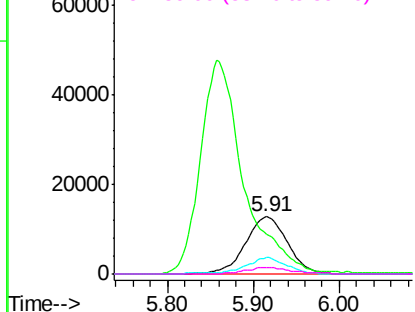
Abundance

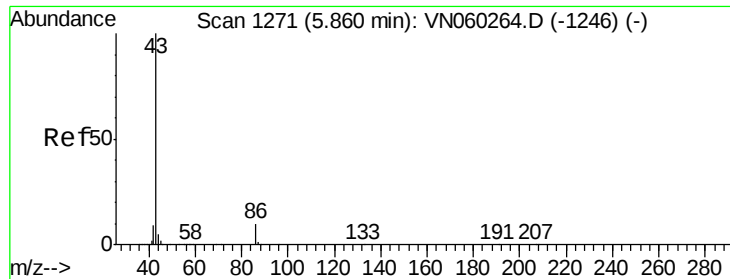
Ion 45.00 (44.70 to 45.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

Ion 59.00 (58.70 to 59.70): VNO





#23

Vinyl Acetate

Concen: 29.836 ug/l

RT: 5.86 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VN060262.D

Acq: 27 Feb 2020 10:43

Instrument :

MSVOA_N

ClientSampleID :

VSTDIC005

Tot Ion: 43 Resp: 166658

Ion Ratio Lower Upper

43 100

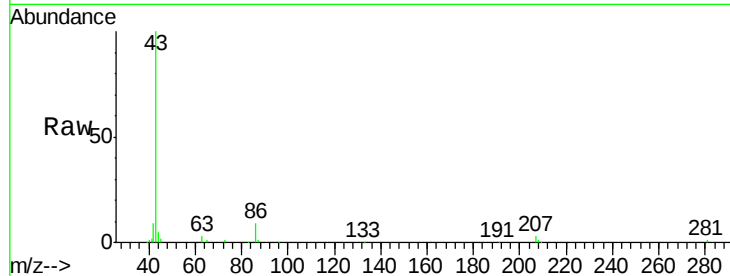
86 9.5 8.0 12.0

Manual Integrations

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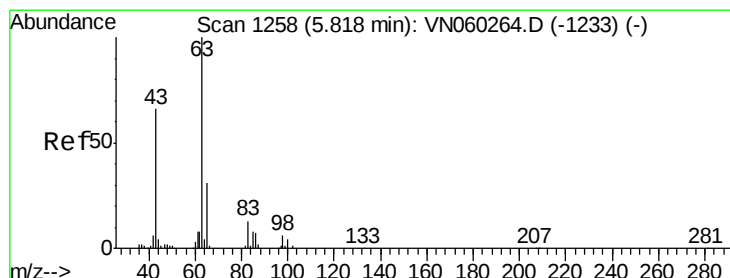
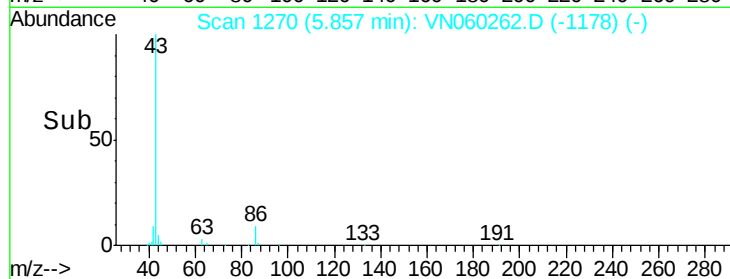
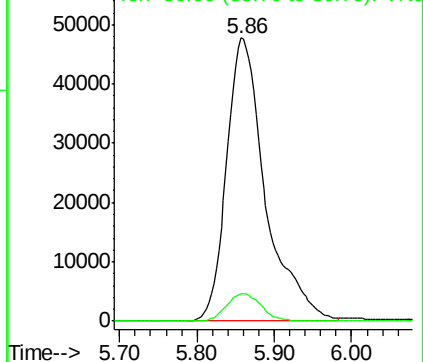
MMDadoda

2/28/2020 12:31:09 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 6.235 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. 0.00 min

Lab File: VN060262.D

Acq: 27 Feb 2020 10:43

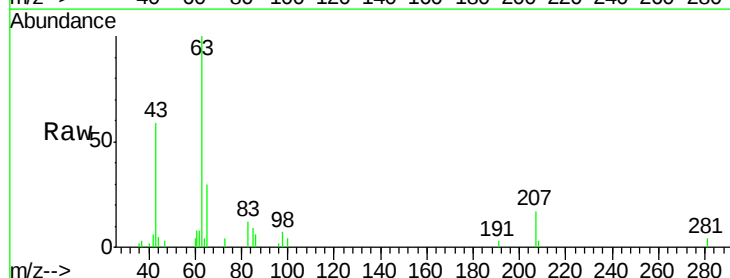
Tgt Ion: 63 Resp: 25033

Ion Ratio Lower Upper

63 100

98 7.0 3.0 9.0

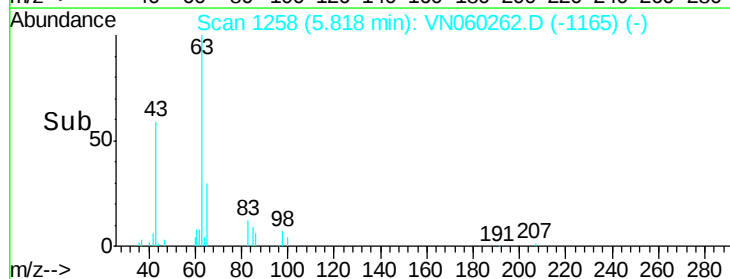
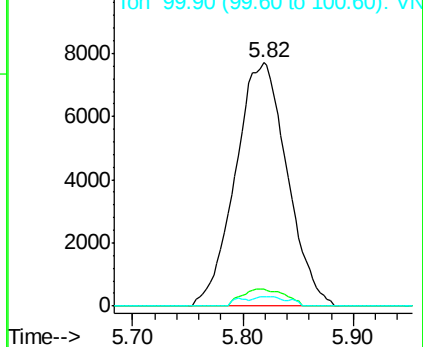
100 3.8 2.0 6.0

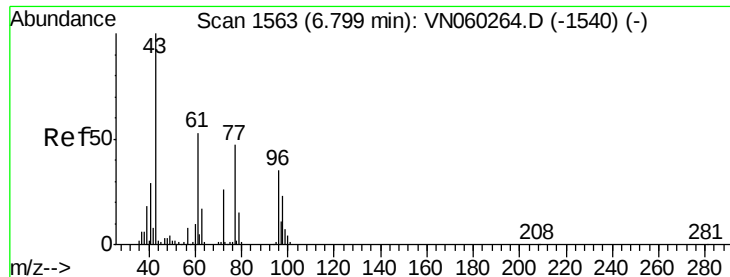


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 27.527 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VN060262.D

Acq: 27 Feb 2020 10:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 38947

Ion Ratio Lower Upper

43 100

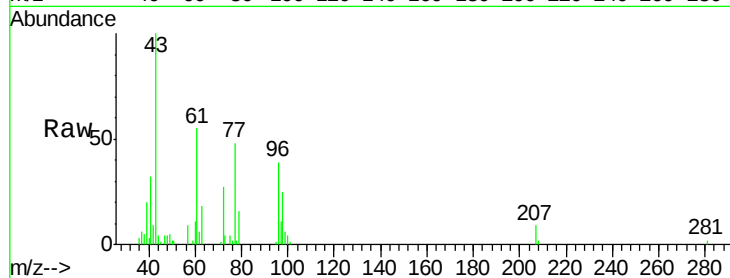
72 26.7 20.9 31.3

Manual Integrations

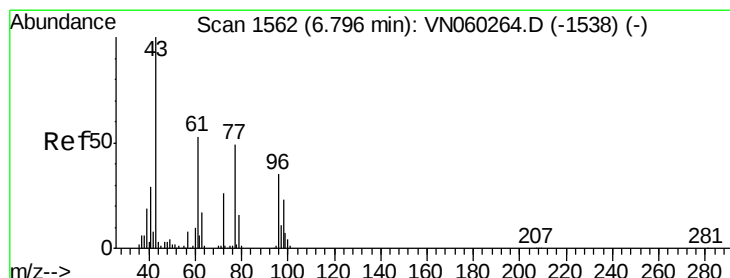
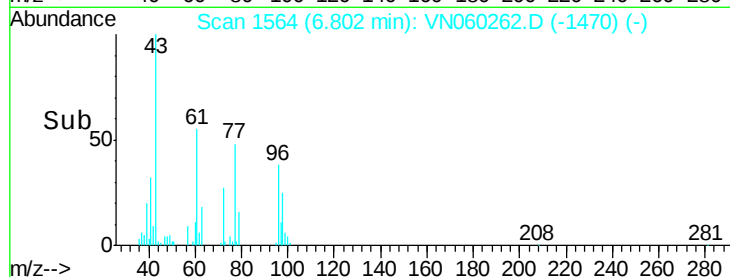
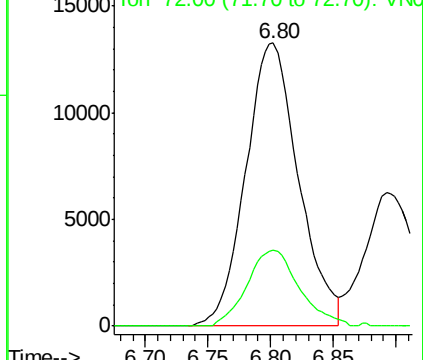
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Abundance Ion 43.00 (42.70 to 43.70): VN060262.D (-1470) (-)



#26

2,2-Dichloropropane

Concen: 5.947 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. 0.00 min

Lab File: VN060262.D

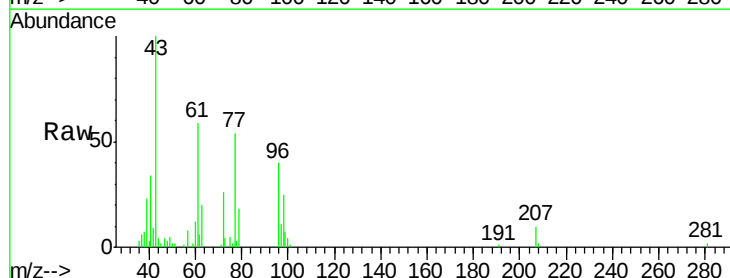
Acq: 27 Feb 2020 10:43

Tgt Ion: 77 Resp: 22455

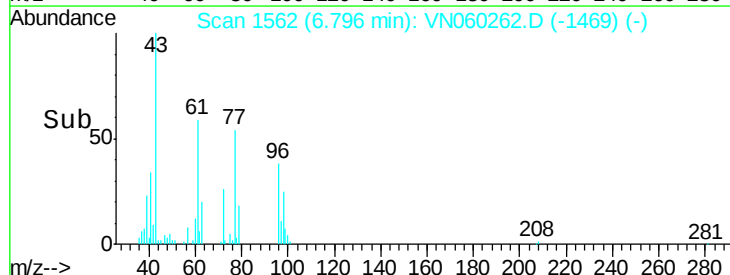
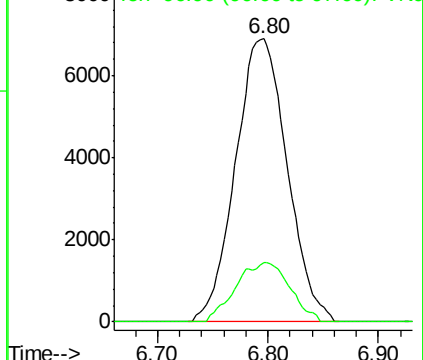
Ion Ratio Lower Upper

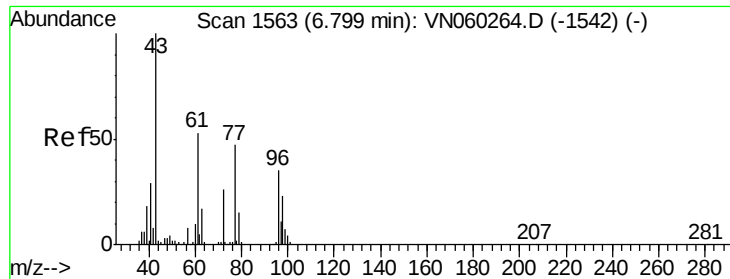
77 100

97 21.9 11.2 33.6



Abundance Ion 76.90 (76.60 to 77.60): VN060262.D (-1469) (-)





#27

cis-1,2-Dichloroethene

Concen: 6.243 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN060262.D

Acq: 27 Feb 2020 10:43

Instrument :

MSVOA_N

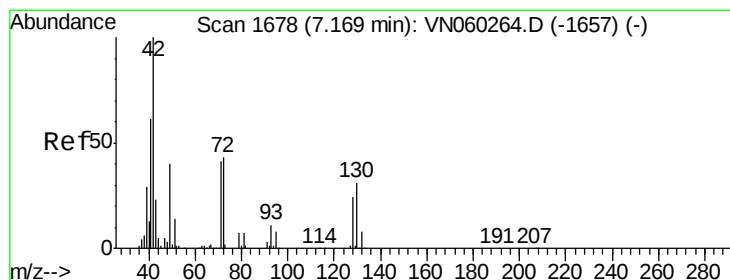
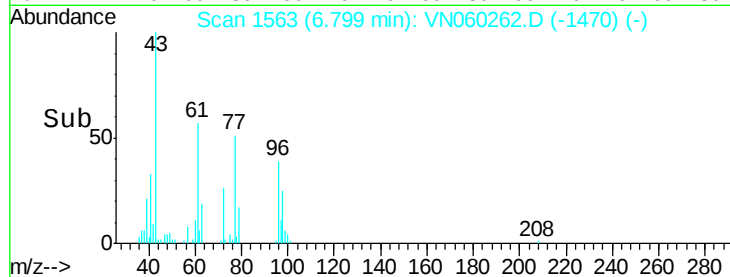
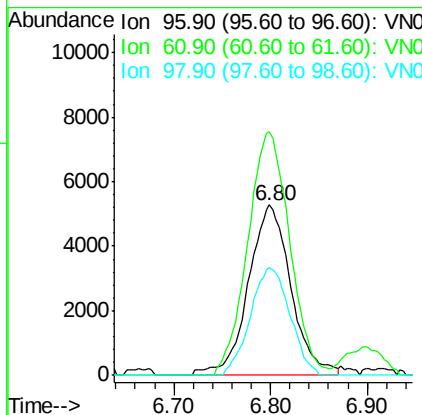
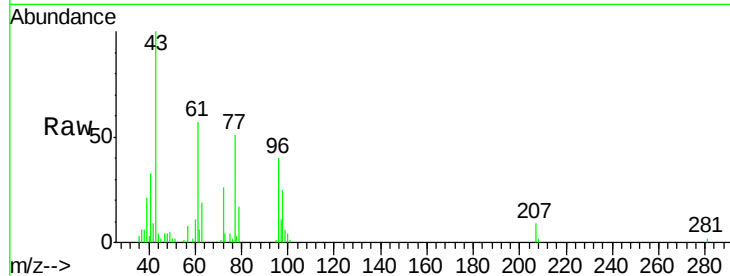
ClientSampleId :

VSTDIC005

Tot Ion:	96	Resp:	16186
Ion	Ratio	Lower	Upper
96	100		
61	140.2	0.0	300.8
98	58.5	0.0	128.2

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#28

Bromochloromethane

Concen: 6.544 ug/l

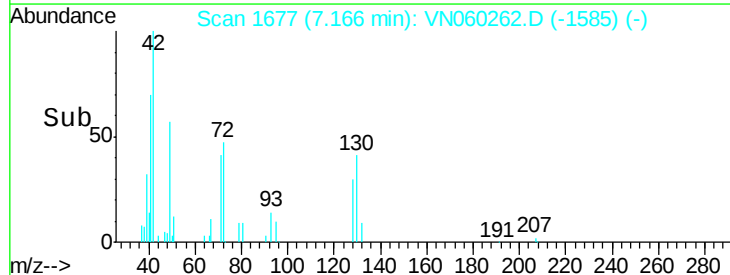
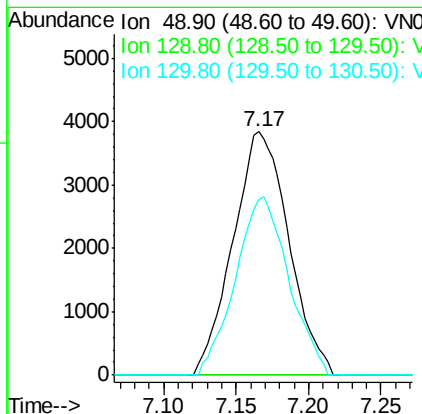
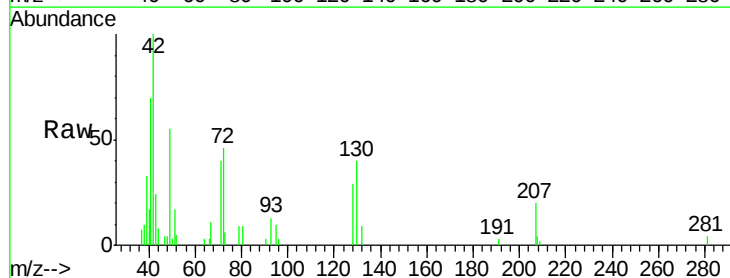
RT: 7.17 min Scan# 1677

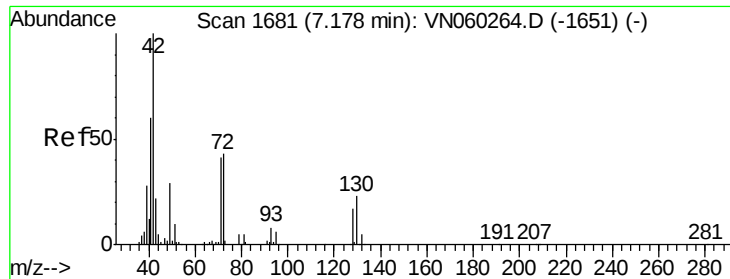
Delta R.T. -0.00 min

Lab File: VN060262.D

Acq: 27 Feb 2020 10:43

Tgt Ion:	49	Resp:	10280
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.8
130	70.0	59.8	89.8





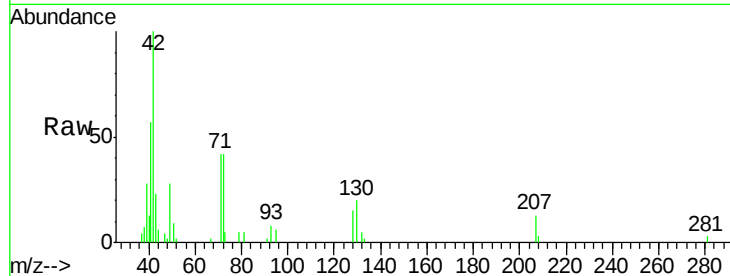
#29
Tetrahydrofuran
Concen: 31.608 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.00 min
Lab File: VN060262.D
Acq: 27 Feb 2020 10:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

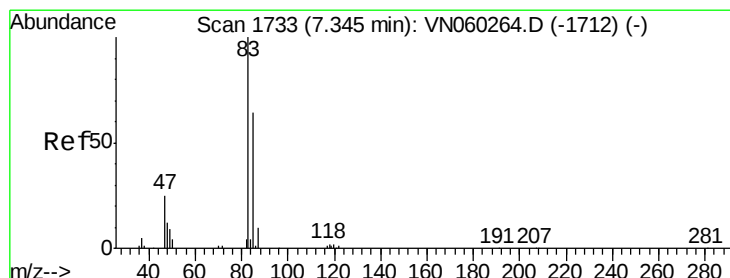
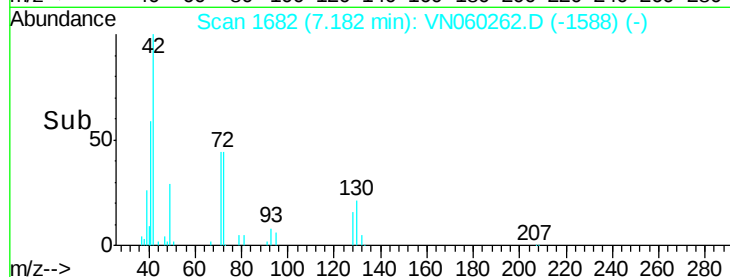
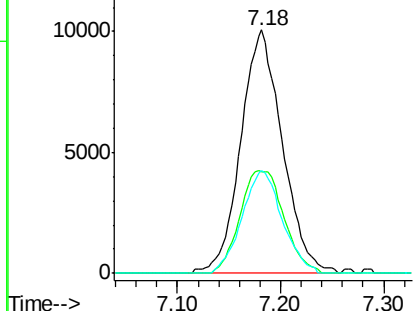
Tot Ion	Ratio	Lower	Upper
42	100		
72	44.4	34.6	52.0
71	40.7	32.9	49.3

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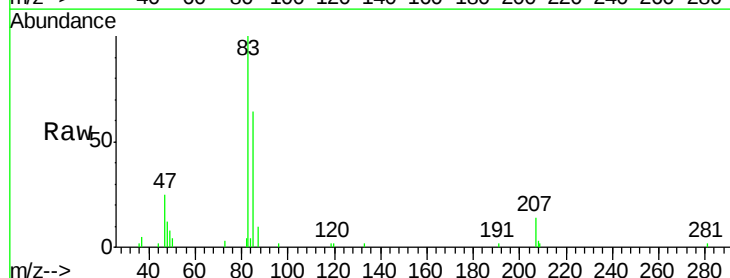


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

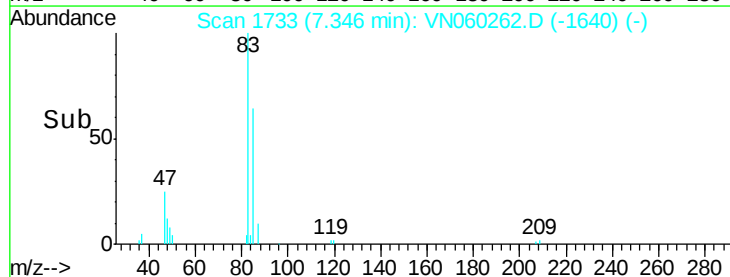
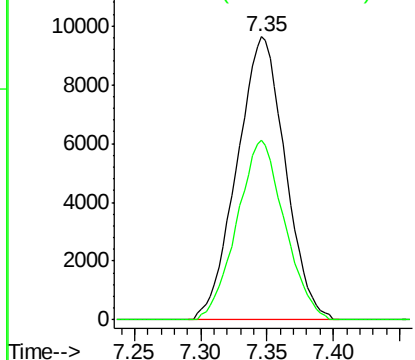


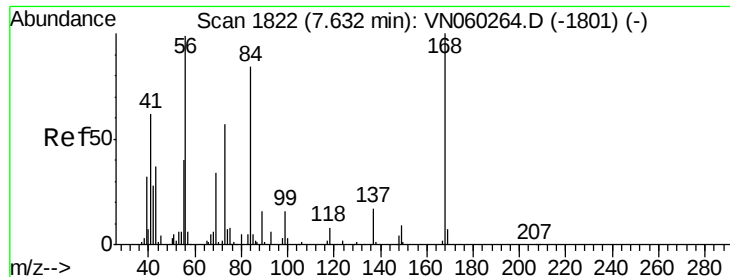
#30
Chloroform
Concen: 5.877 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN060262.D
Acq: 27 Feb 2020 10:43

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.7	51.4	77.2



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 7.322 ug/l

RT: 7.63 min Scan# 1823

Delta R.T. 0.00 min

Lab File: VN060262.D

Acq: 27 Feb 2020 10:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 27289

Ion Ratio Lower Upper

56 100

69 52.7 27.2 40.8#

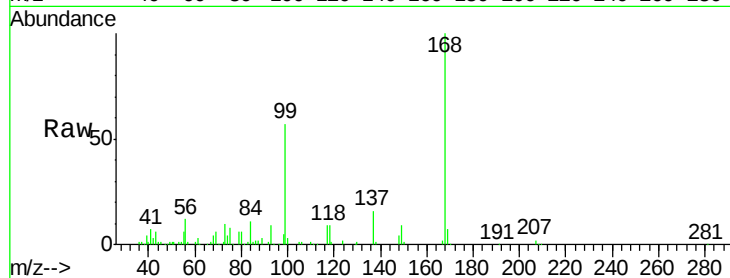
84 89.7 66.7 100.1

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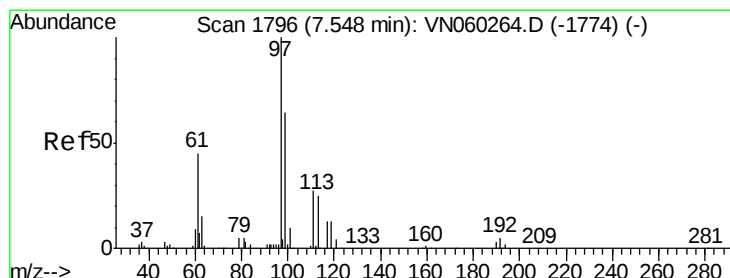
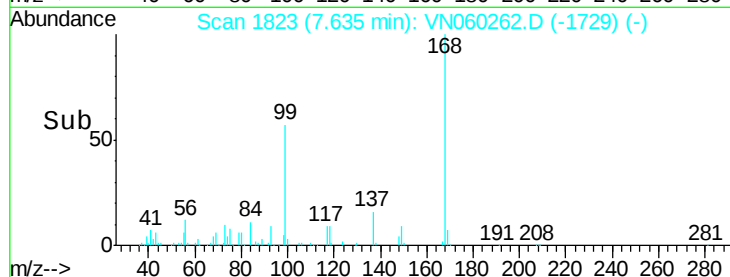
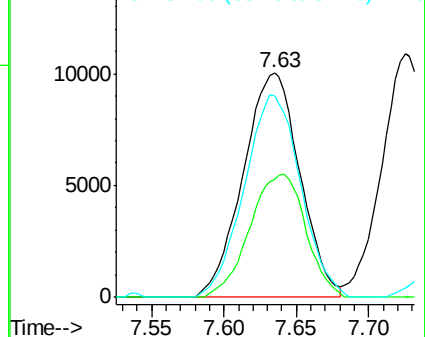
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Abundance Ion 56.00 (55.70 to 56.70): VN060262.D (-1729) (-)

Ion 69.00 (68.70 to 69.70): VN060262.D (-1729) (-)

Ion 84.00 (83.70 to 84.70): VN060262.D (-1729) (-)



#32

1,1,1-Trichloroethane

Concen: 5.806 ug/l

RT: 7.54 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VN060262.D

Acq: 27 Feb 2020 10:43

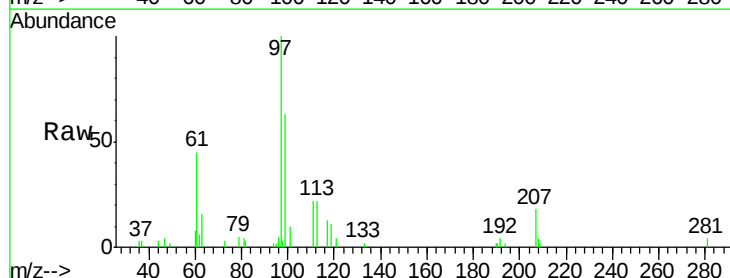
Tgt Ion: 97 Resp: 21944

Ion Ratio Lower Upper

97 100

99 63.6 51.4 77.0

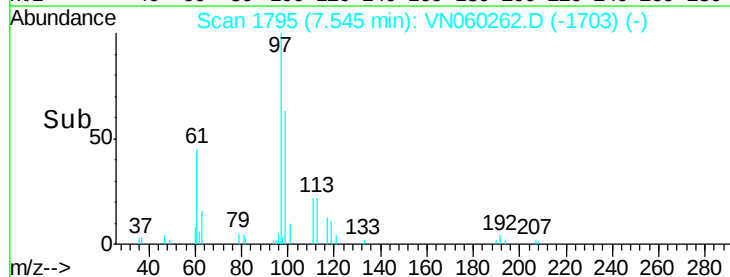
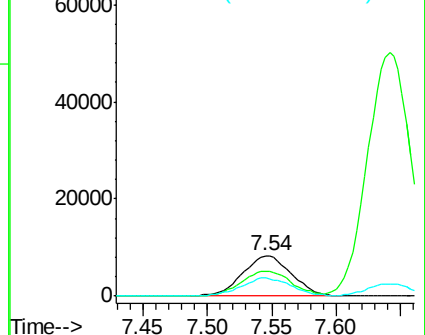
61 46.1 36.6 55.0

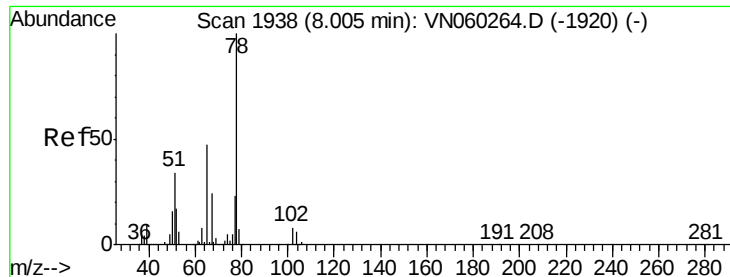


Abundance Ion 96.90 (96.60 to 97.60): VN060262.D (-1703) (-)

Ion 98.90 (98.60 to 99.60): VN060262.D (-1703) (-)

Ion 60.90 (60.60 to 61.60): VN060262.D (-1703) (-)





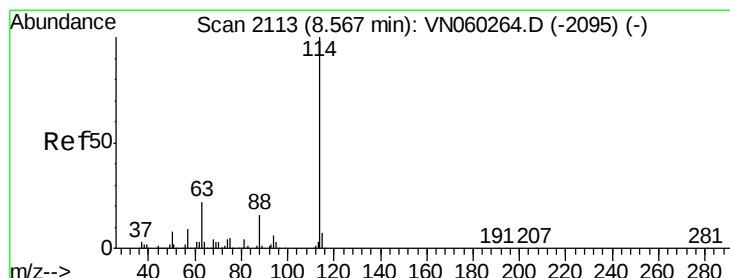
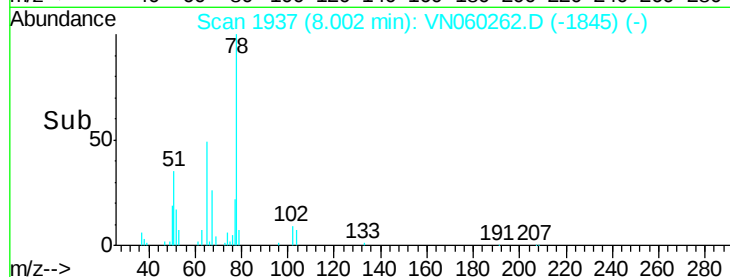
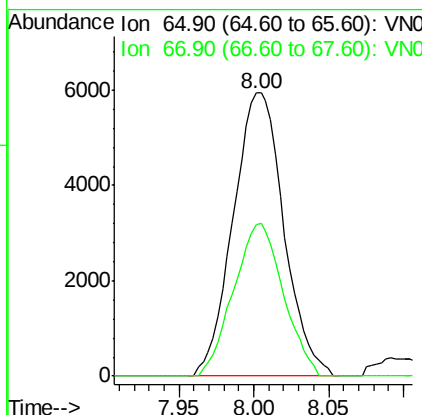
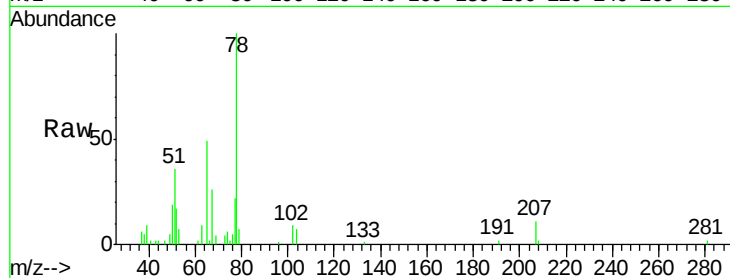
#33
 1,2-Dichloroethane-d4
 Concen: 5.360 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060262.D
 Acq: 27 Feb 2020 10:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.8	0.0	103.8

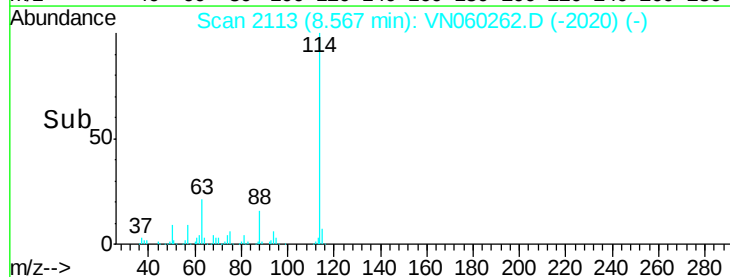
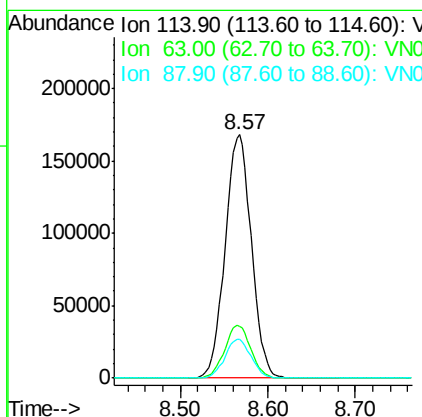
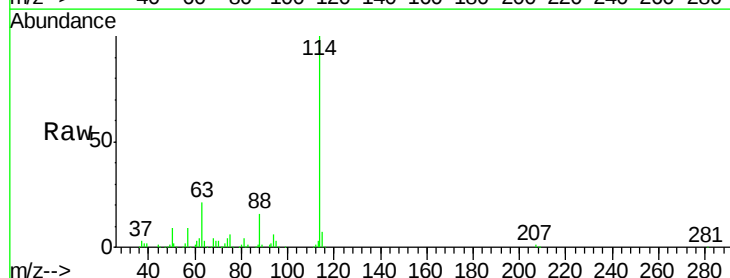
Manual Integrations
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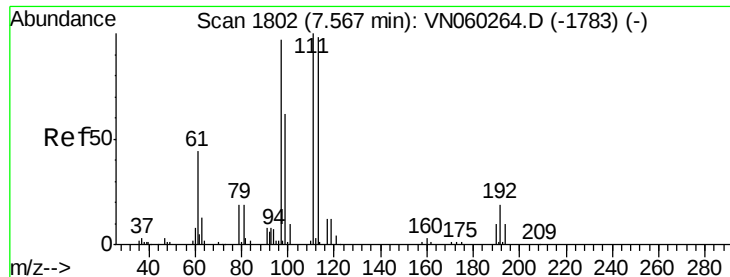
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN060262.D
 Acq: 27 Feb 2020 10:43

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.4	0.0	43.2
88	15.7	0.0	31.6





#35

Dibromofluoromethane

Concen: 4.670 ug/l

RT: 7.56 min Scan# 1800

Delta R.T. -0.01 min

Lab File: VN060262.D

Acq: 27 Feb 2020 10:43

Instrument :

MSVOA_N

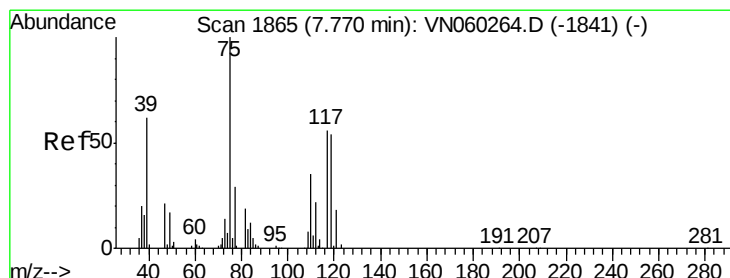
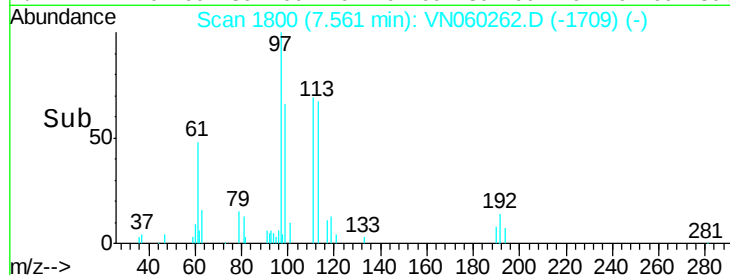
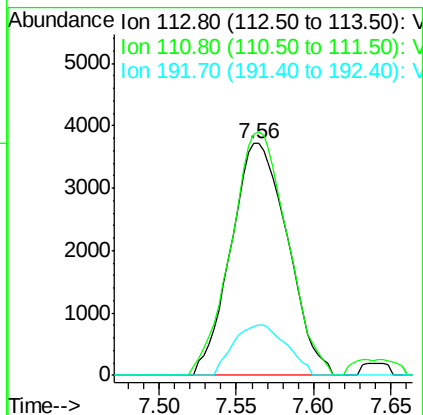
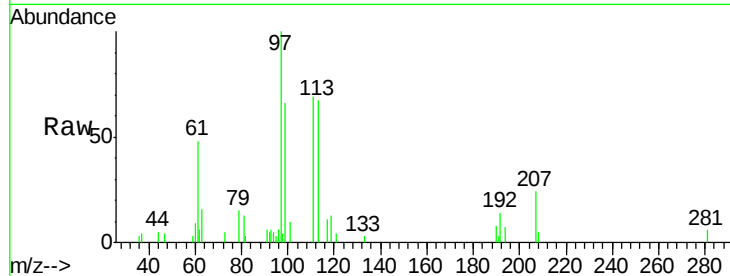
ClientSampleId :

VSTDIC005

Tot Ion:	113	Resp:	9444
Ion	Ratio	Lower	Upper
113	100		
111	104.1	82.4	123.6
192	20.3	16.2	24.2

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#36

1,1-Dichloropropene

Concen: 5.898 ug/l

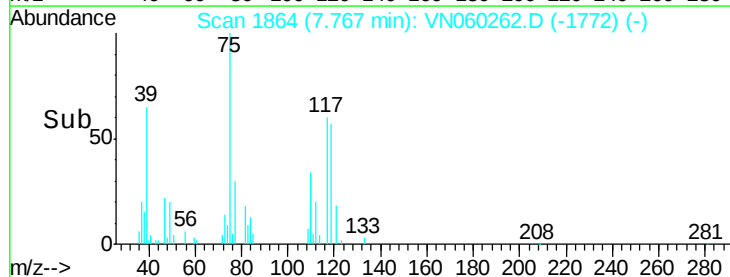
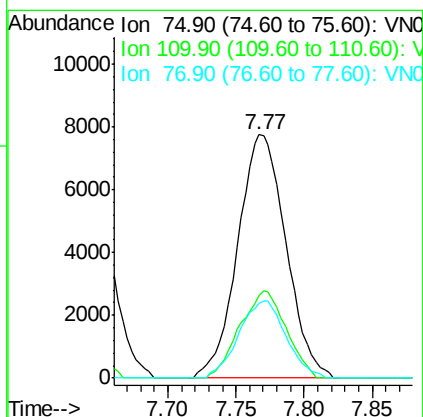
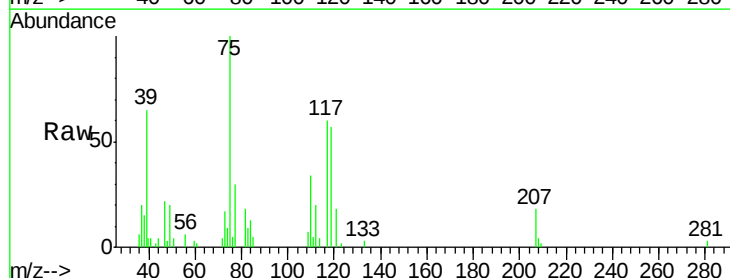
RT: 7.77 min Scan# 1864

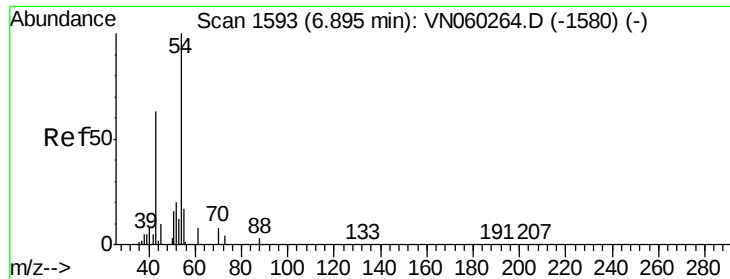
Delta R.T. -0.00 min

Lab File: VN060262.D

Acq: 27 Feb 2020 10:43

Tgt Ion:	75	Resp:	19012
Ion	Ratio	Lower	Upper
75	100		
110	34.5	17.3	52.0
77	31.0	24.2	36.2





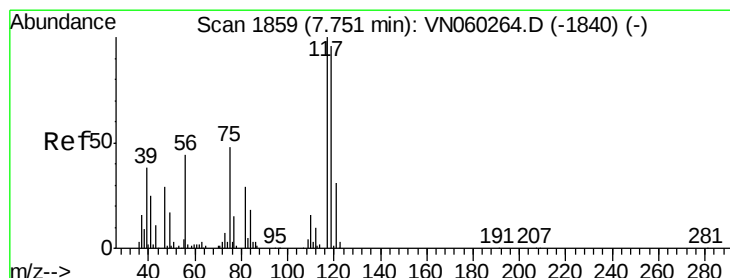
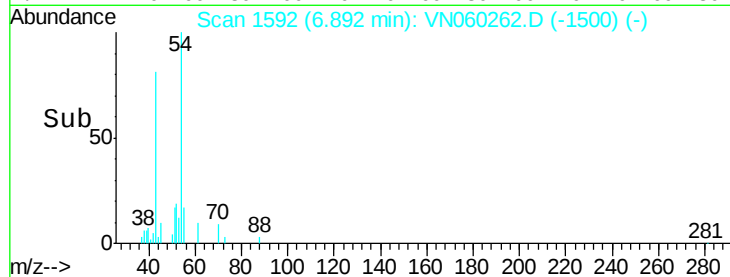
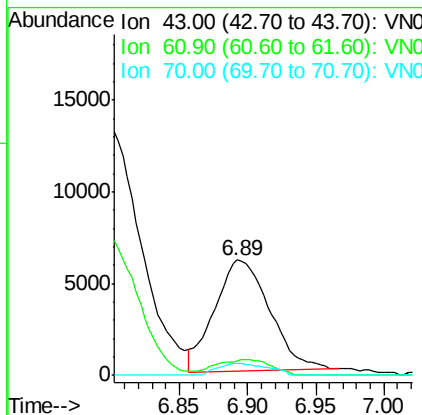
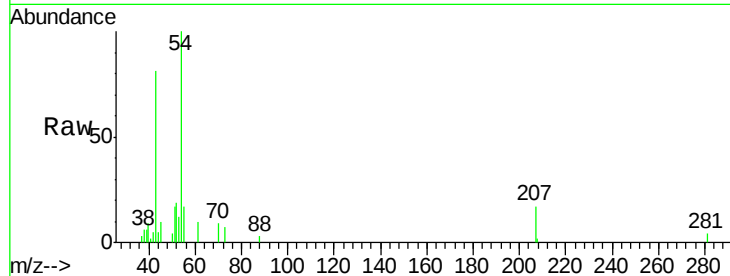
#37
Ethyl Acetate
Concen: 5.725 ug/l
RT: 6.89 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VN060262.D
Acq: 27 Feb 2020 10:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.4	11.1	16.7
70	9.7	8.4	12.6

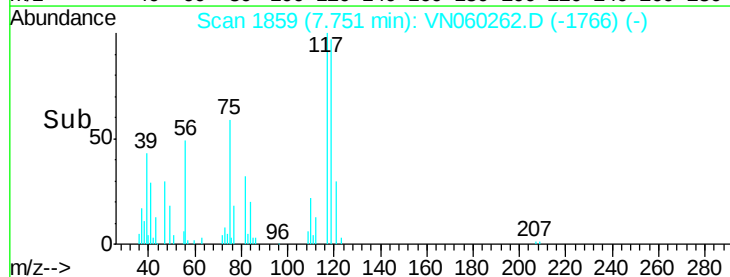
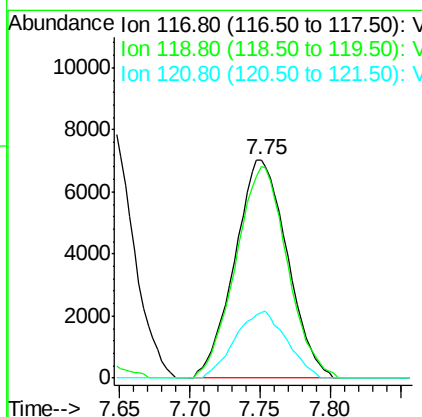
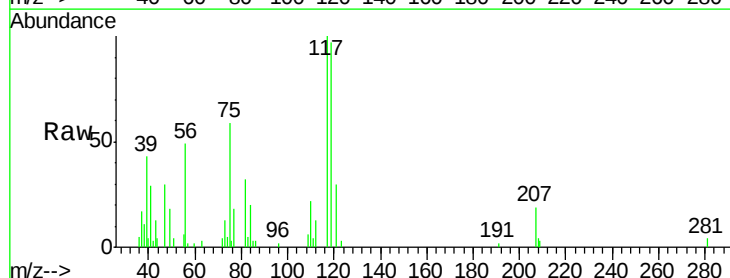
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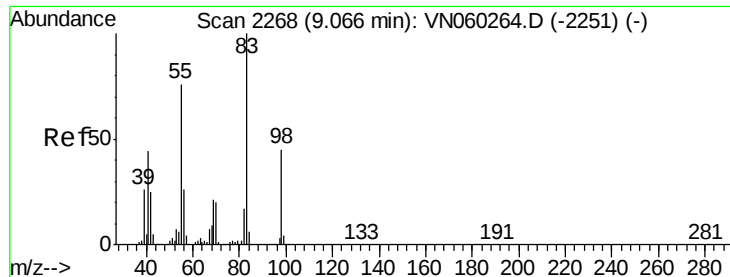
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#38
Carbon Tetrachloride
Concen: 5.273 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN060262.D
Acq: 27 Feb 2020 10:43

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.2	76.7	115.1
121	30.4	24.5	36.7





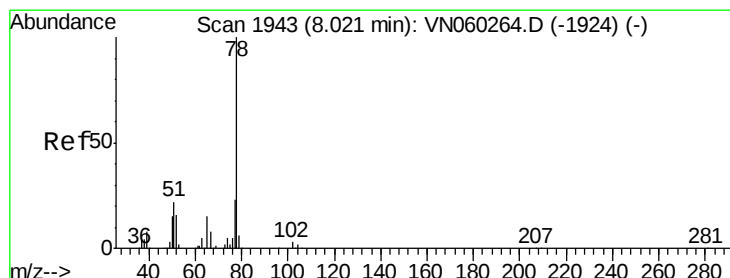
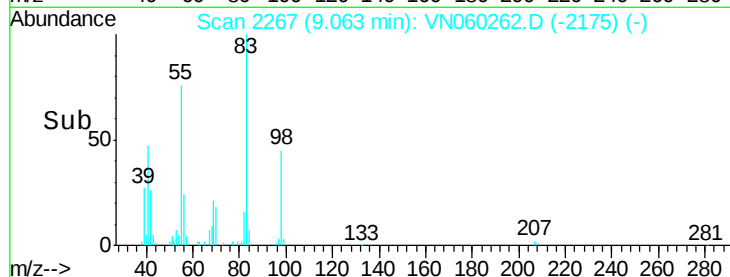
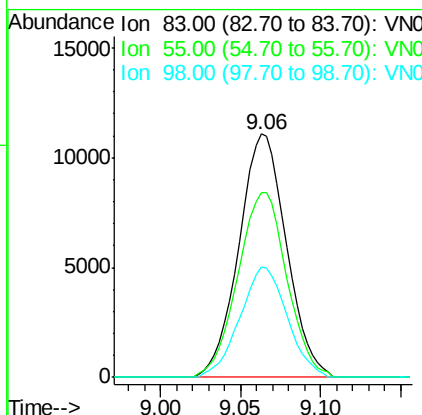
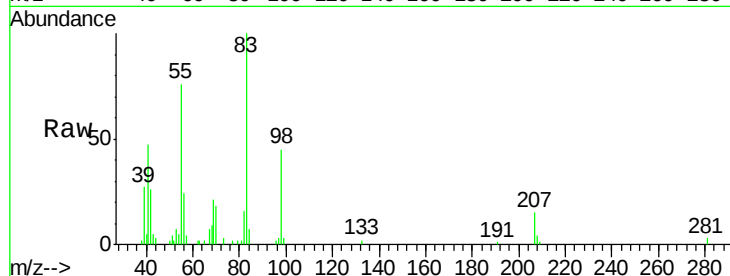
#39
Methvlcvclohexane
Concen: 5.649 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN060262.D
Acq: 27 Feb 2020 10:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.8	61.0	91.4
98	45.4	36.1	54.1

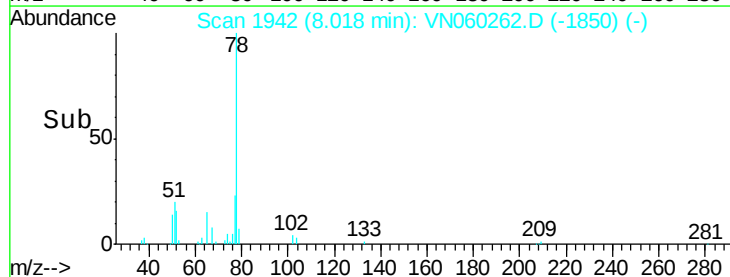
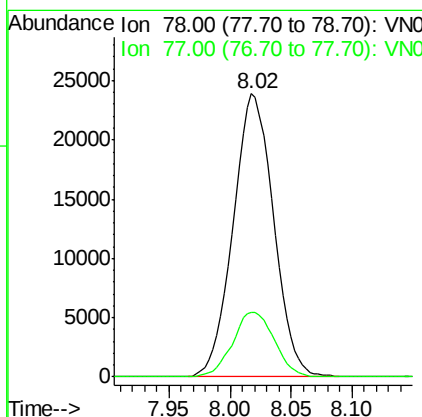
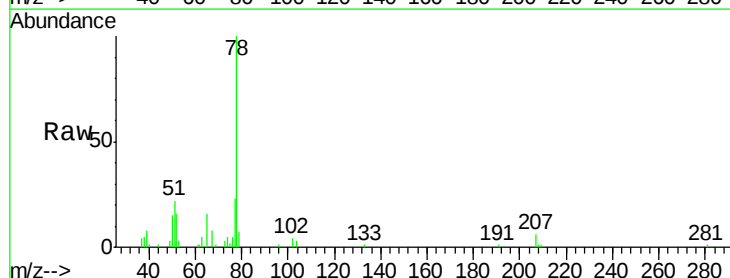
Manual Integrations
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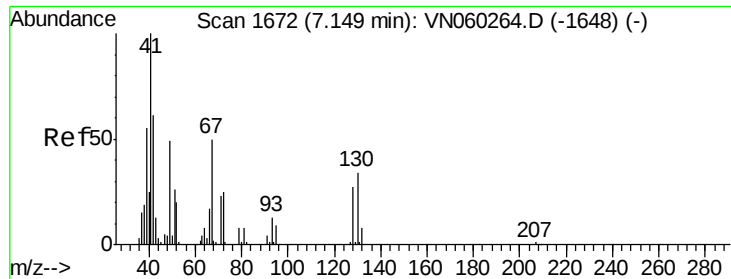
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#40
Benzene
Concen: 5.725 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN060262.D
Acq: 27 Feb 2020 10:43

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.7	18.8	28.2





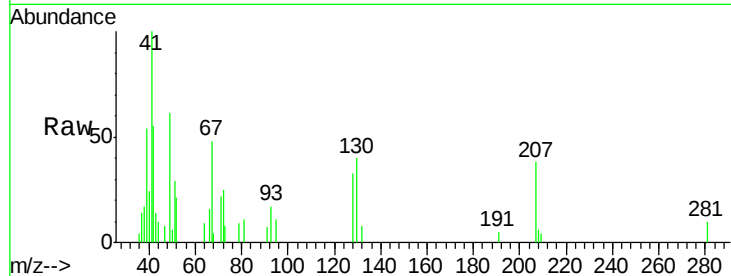
#41
Methacrylonitrile
Concen: 6.213 ug/l m
RT: 7.15 min Scan# 1672
Delta R.T. 0.00 min
Lab File: VN060262.D
Acq: 27 Feb 2020 10:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

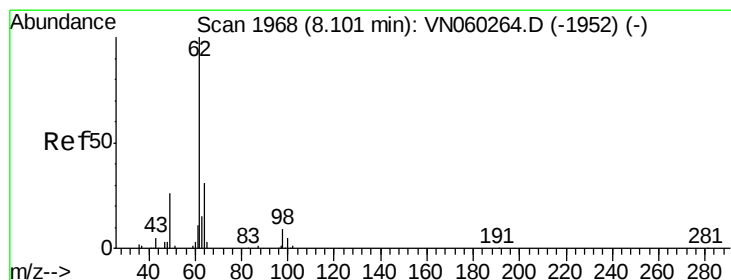
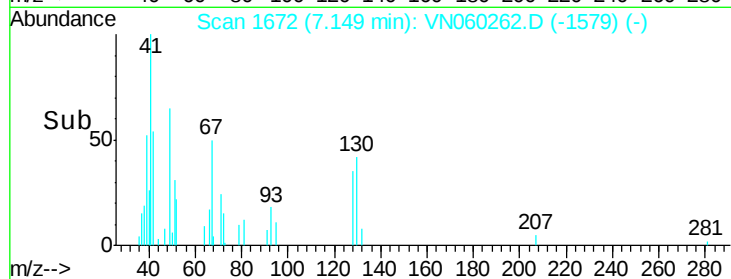
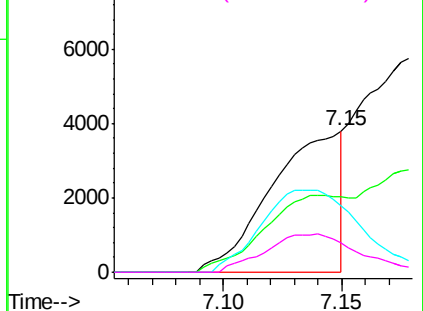
Tot Ion	41	Resp	7799
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

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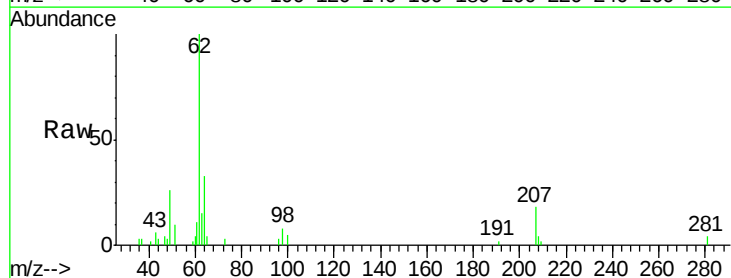


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

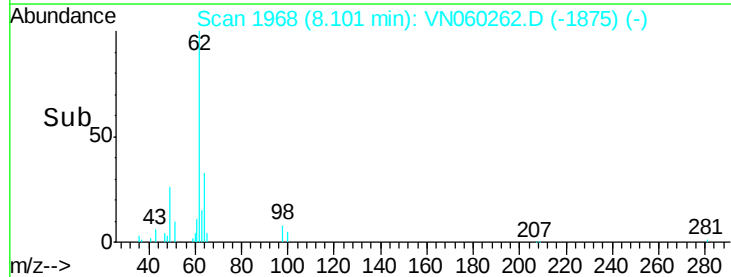
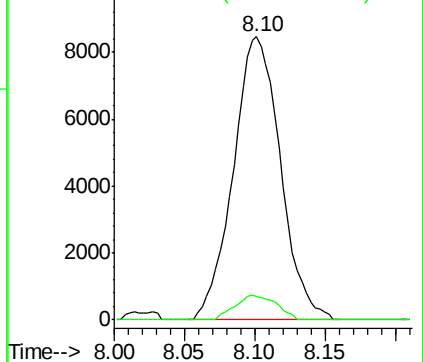


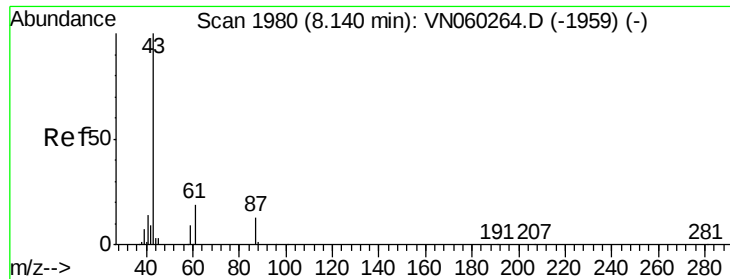
#42
1,2-Dichloroethane
Concen: 5.859 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN060262.D
Acq: 27 Feb 2020 10:43

Tgt Ion	62	Resp	19781
Ion	Ratio	Lower	Upper
62	100		
98	7.7	0.0	17.0



Abundance Ion 61.90 (61.60 to 62.60): VNO
Ion 97.90 (97.60 to 98.60): VNO





#43

Isopropyl Acetate

Concen: 6.014 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN060262.D

Acq: 27 Feb 2020 10:43

Instrument :

MSVOA_N

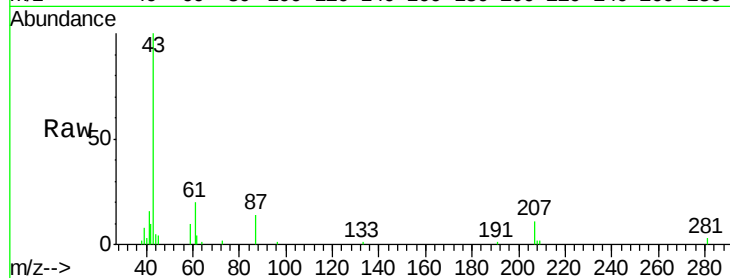
ClientSampleId :

VSTDIC005

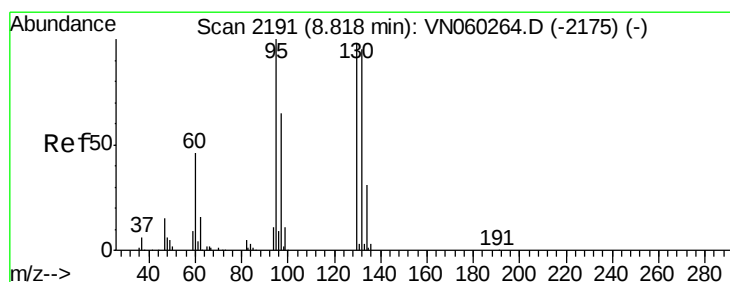
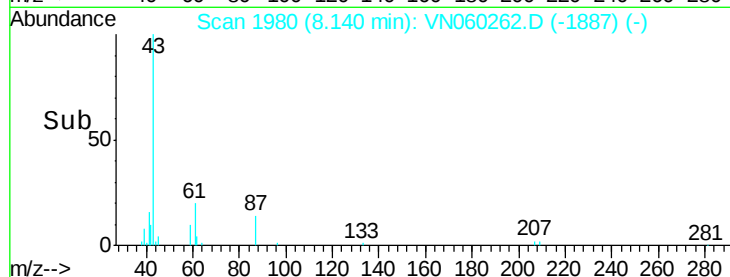
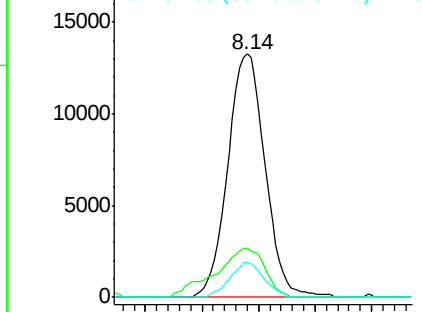
Tot Ion:	43	Resp:	30542
Ion Ratio	Lower	Upper	
43	100		
61	26.8	20.9	31.3
87	13.0	10.6	16.0

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Abundance Ion 43.00 (42.70 to 43.70): VN060262.D (-1887) (-)



#44

Trichloroethene

Concen: 5.755 ug/l

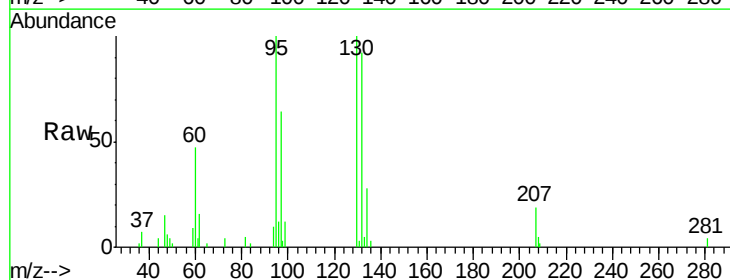
RT: 8.82 min Scan# 2190

Delta R.T. -0.00 min

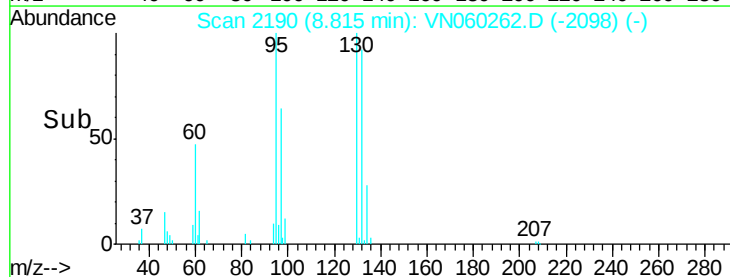
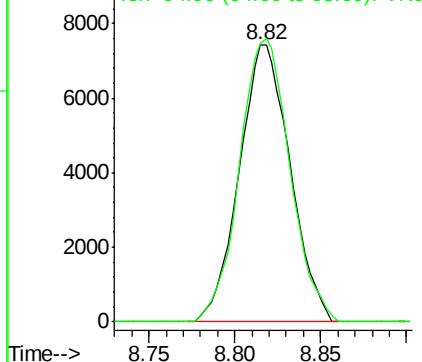
Lab File: VN060262.D

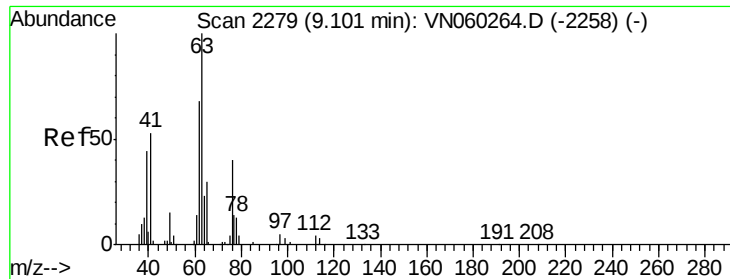
Acq: 27 Feb 2020 10:43

Tgt Ion:	130	Resp:	15254
Ion Ratio	Lower	Upper	
130	100		
95	100.2	0.0	203.4



Abundance Ion 129.80 (129.50 to 130.50): VN060262.D (-2098) (-)





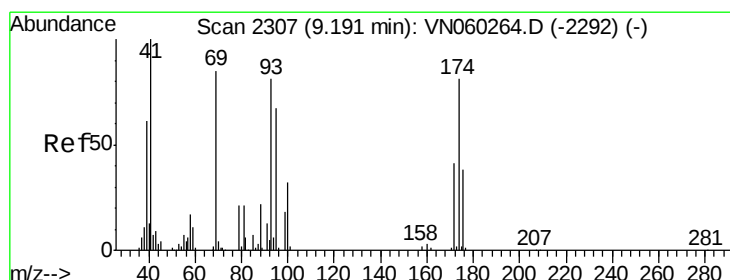
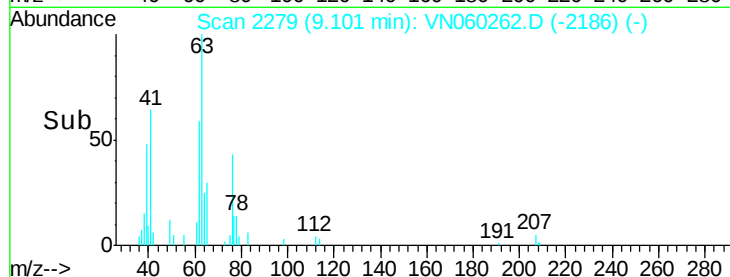
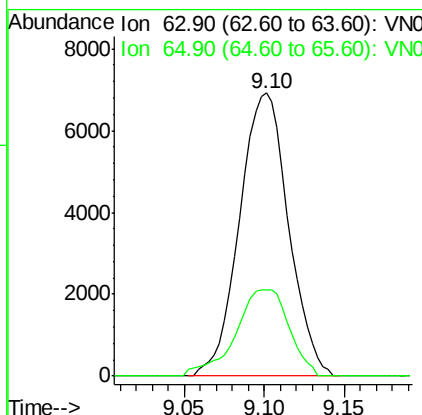
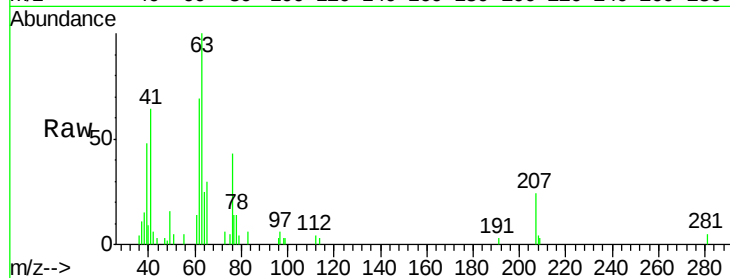
#45
 1,2-Dichloropropane
 Concen: 6.047 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. 0.00 min
 Lab File: VN060262.D
 Acq: 27 Feb 2020 10:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.3	24.4	36.6

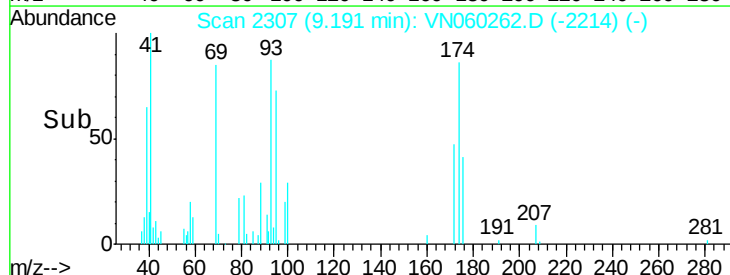
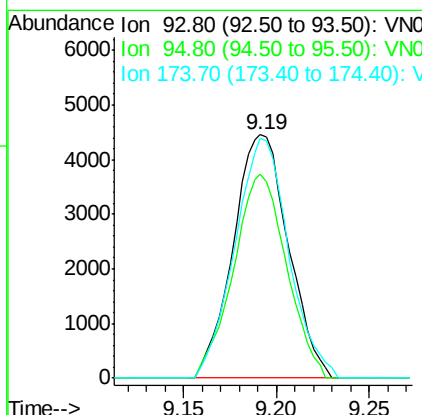
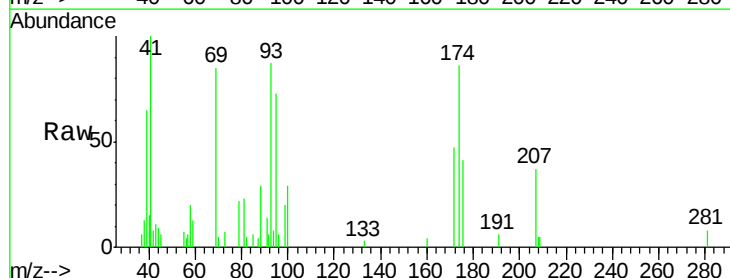
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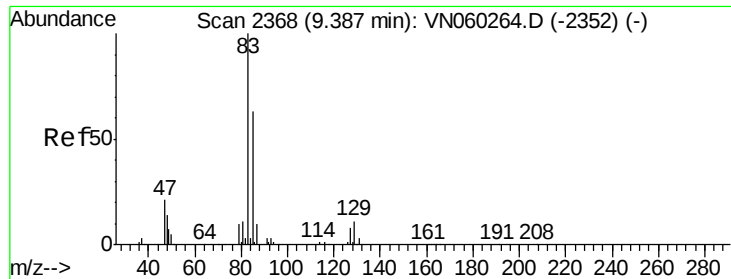
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#46
 Dibromomethane
 Concen: 5.530 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN060262.D
 Acq: 27 Feb 2020 10:43

Tgt Ion	Ratio	Lower	Upper
93	100		
95	80.4	65.9	98.9
174	96.3	79.6	119.4





#47

Bromodichloromethane

Concen: 5.266 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN060262.D

Acq: 27 Feb 2020 10:43

Instrument :

MSVOA_N

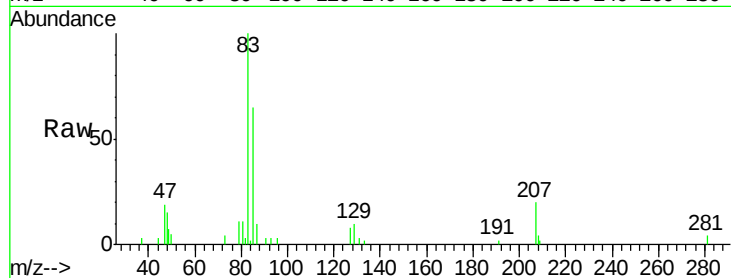
ClientSampleId :

VSTDIC005

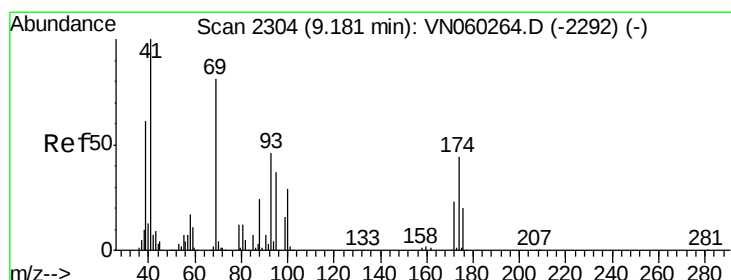
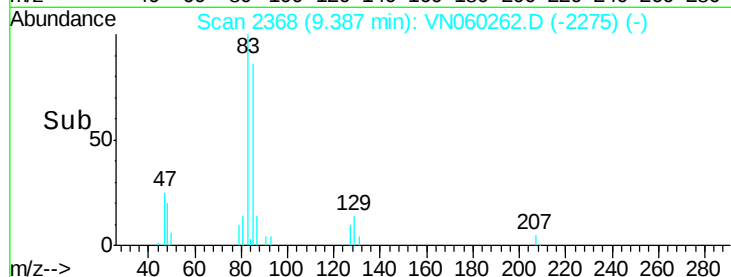
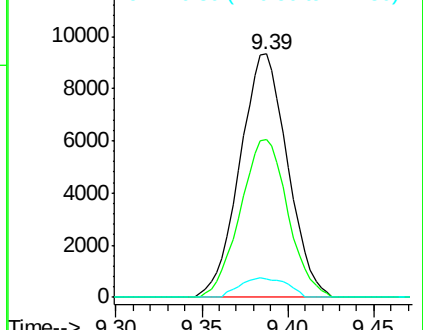
Tot Ion:	83	Resp:	17908
Ion	Ratio	Lower	Upper
83	100		
85	64.9	50.7	76.1
127	7.8	6.8	10.2

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Abundance Ion 82.90 (82.60 to 83.60): VN060262.D (-2275) (-)



#48

Methyl methacrylate

Concen: 5.695 ug/l

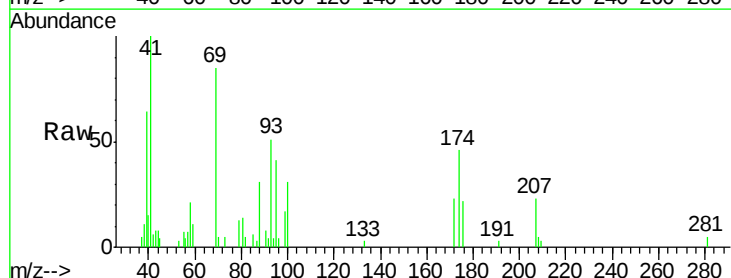
RT: 9.18 min Scan# 2304

Delta R.T. 0.00 min

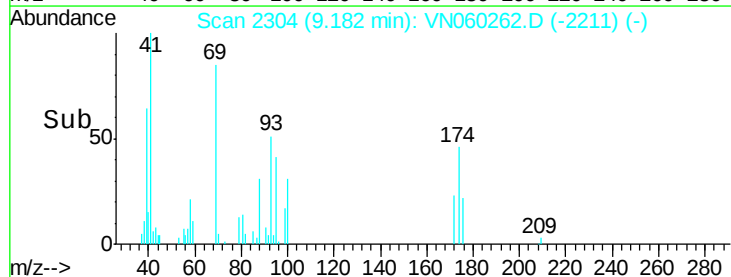
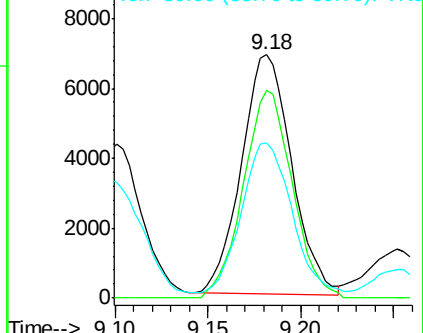
Lab File: VN060262.D

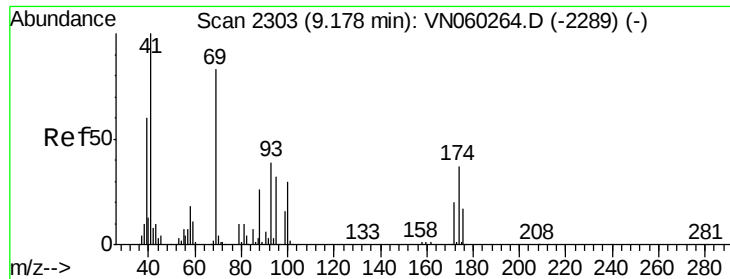
Acq: 27 Feb 2020 10:43

Tgt Ion:	41	Resp:	12966
Ion	Ratio	Lower	Upper
41	100		
69	83.7	66.7	100.1
39	63.3	50.1	75.1



Abundance Ion 41.00 (40.70 to 41.70): VN060262.D (-2211) (-)





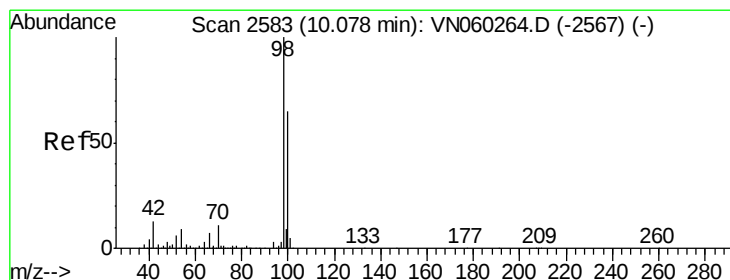
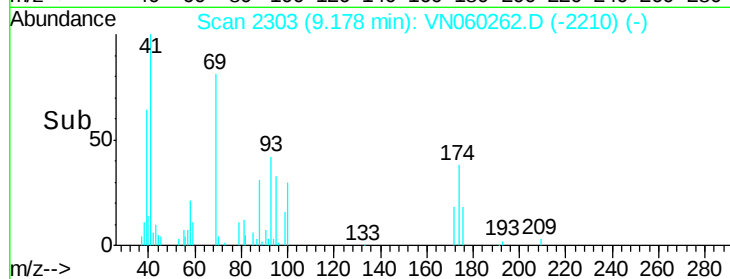
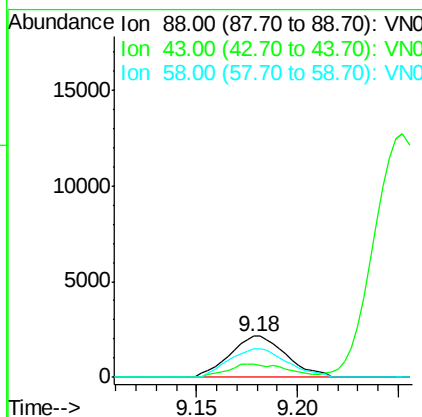
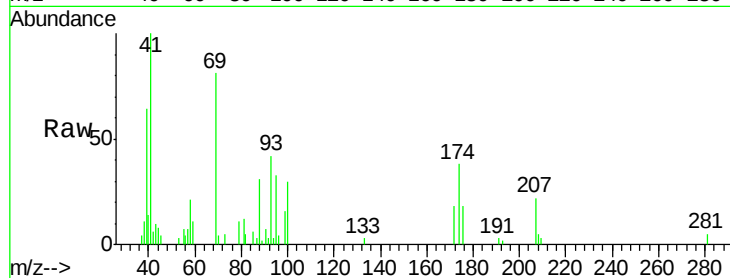
#49
1,4-Dioxane
Concen: 113.178 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VN060262.D
Acq: 27 Feb 2020 10:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.0	30.4	45.6
58	71.8	57.0	85.6

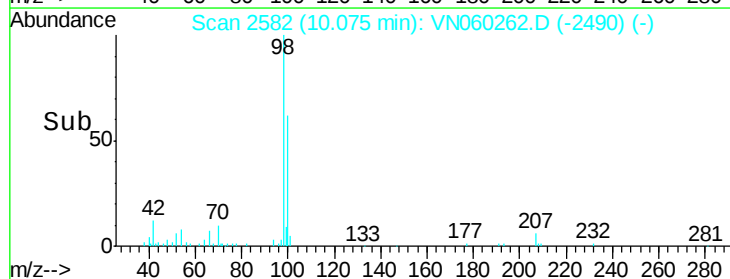
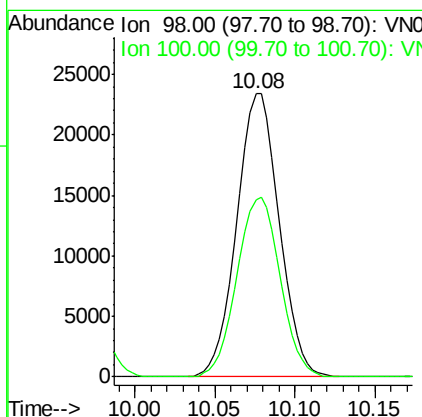
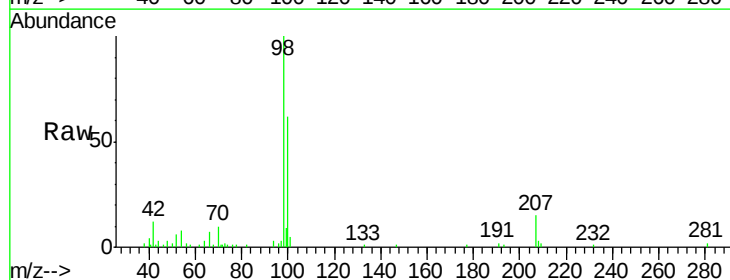
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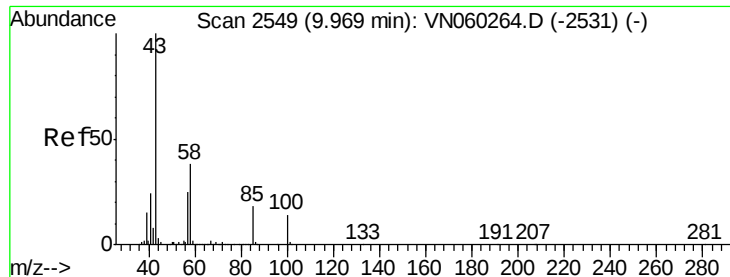
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#50
Toluene-d8
Concen: 5.104 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060262.D
Acq: 27 Feb 2020 10:43

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.3	52.2	78.2





#51

4-Methyl-2-Pentanone

Concen: 29.035 ug/l

RT: 9.97 min Scan# 2548

Delta R.T. -0.00 min

Lab File: VN060262.D

Acq: 27 Feb 2020 10:43

Instrument :

MSVOA_N

ClientSampleID :

VSTDIC005

Tot Ion: 43 Resp: 84928

Ion Ratio Lower Upper

43 100

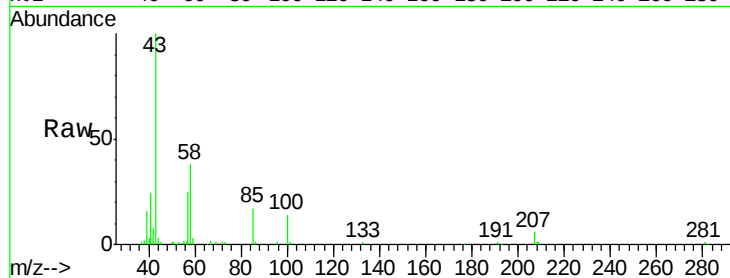
58 38.5 30.9 46.3

Manual Integrations

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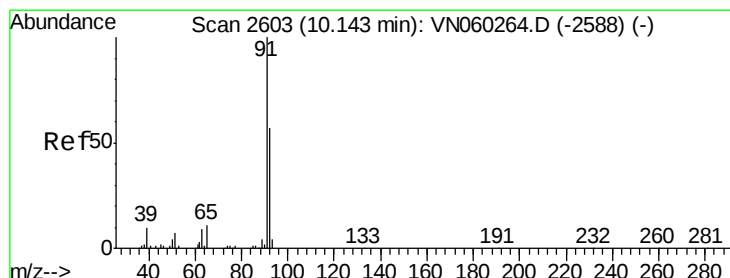
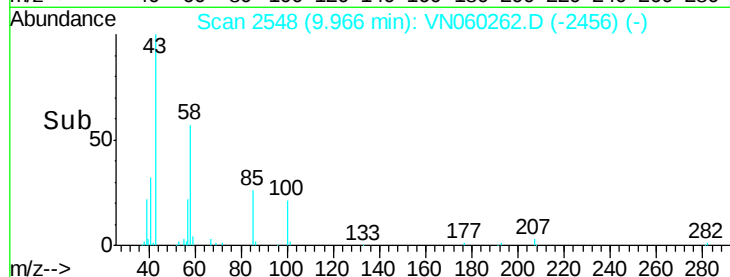
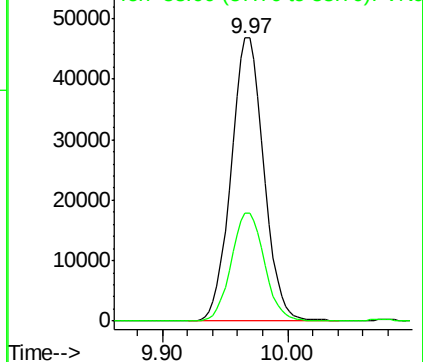
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 5.542 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. 0.00 min

Lab File: VN060262.D

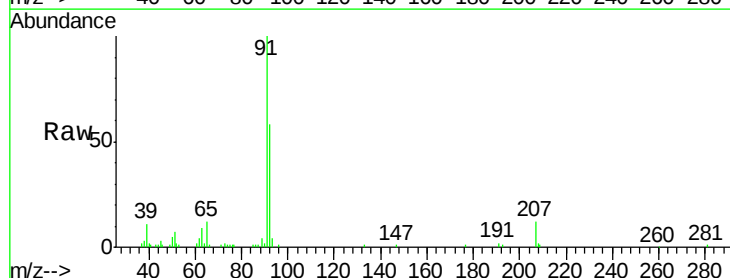
Acq: 27 Feb 2020 10:43

Tgt Ion: 92 Resp: 33957

Ion Ratio Lower Upper

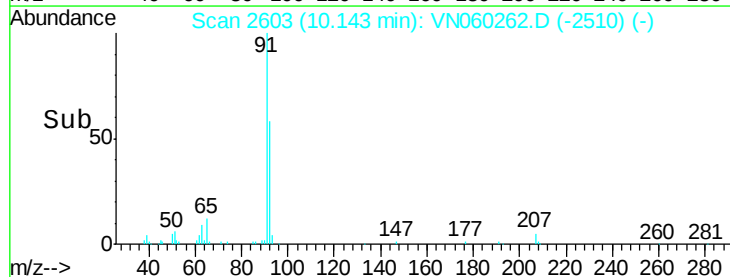
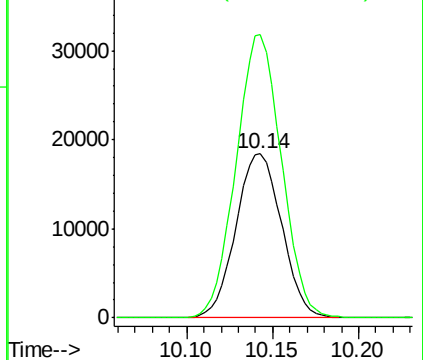
92 100

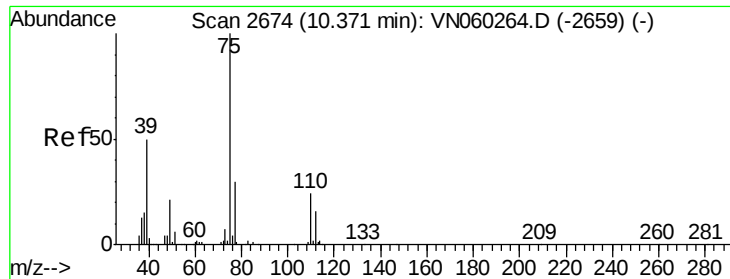
91 171.5 138.1 207.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





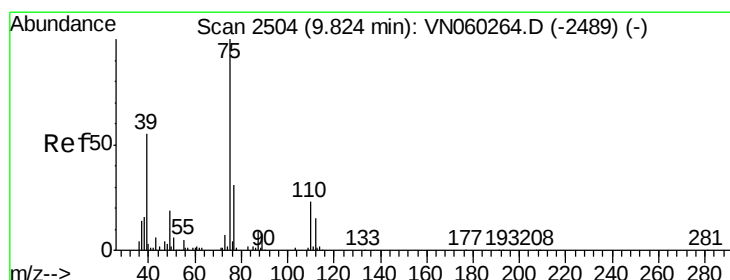
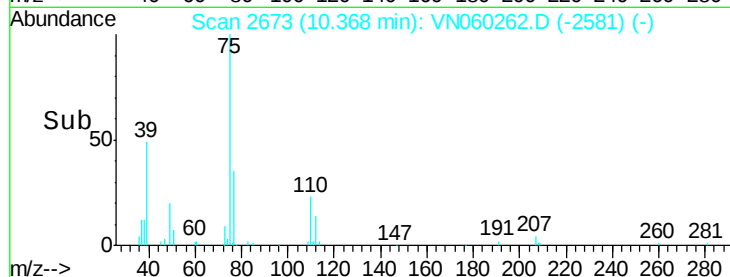
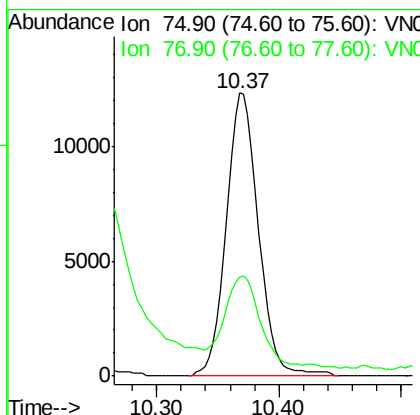
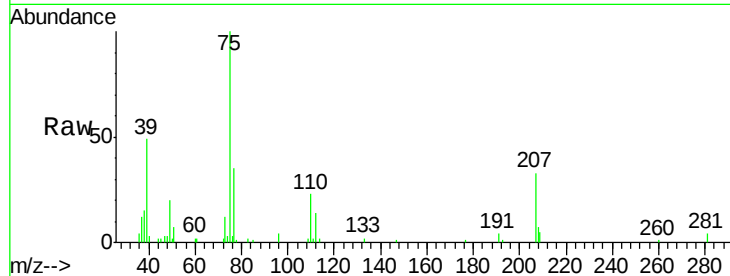
#53
t-1,3-Dichloropropene
Concen: 5.881 ug/l
RT: 10.37 min Scan# 2673
Delta R.T. -0.00 min
Lab File: VN060262.D
Acq: 27 Feb 2020 10:43

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion: 75 Resp: 22703
Ion Ratio Lower Upper
75 100
77 31.8 24.8 37.2

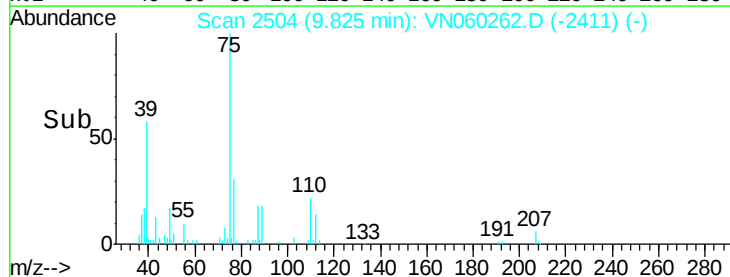
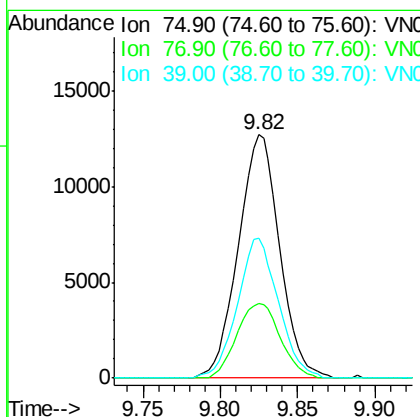
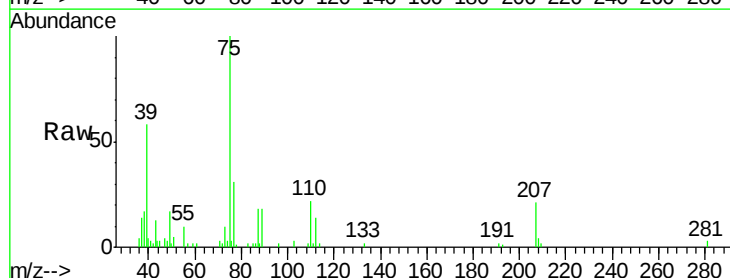
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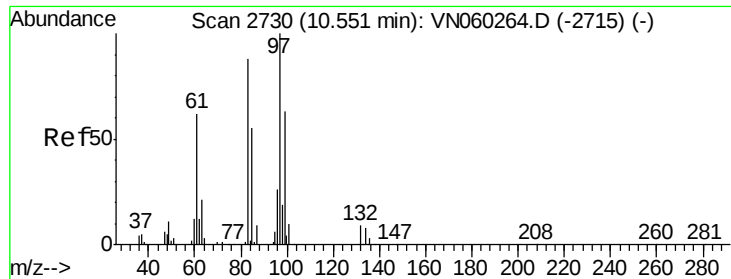
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#54
cis-1,3-Dichloropropene
Concen: 5.793 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. 0.00 min
Lab File: VN060262.D
Acq: 27 Feb 2020 10:43

Tgt Ion: 75 Resp: 23570
Ion Ratio Lower Upper
75 100
77 30.7 24.8 37.2
39 57.6 43.8 65.8





#55

1,1,2-Trichloroethane

Concen: 5.695 ug/l

RT: 10.55 min Scan# 2730

Delta R.T. 0.00 min

Lab File: VN060262.D

Acq: 27 Feb 2020 10:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 97 Resp: 13619

Ion Ratio Lower Upper

97 100

83 83.1 70.0 105.0

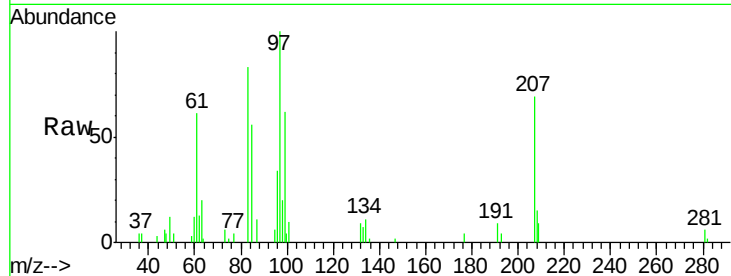
85 55.7 44.0 66.0

99 62.0 50.4 75.6

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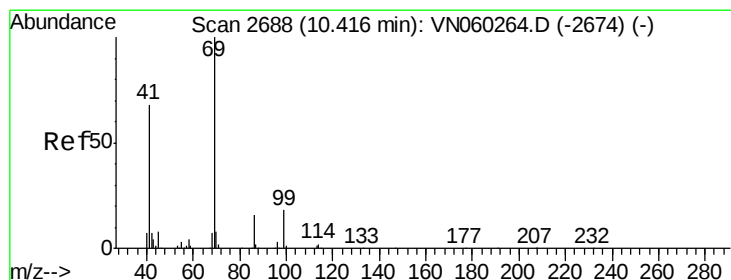
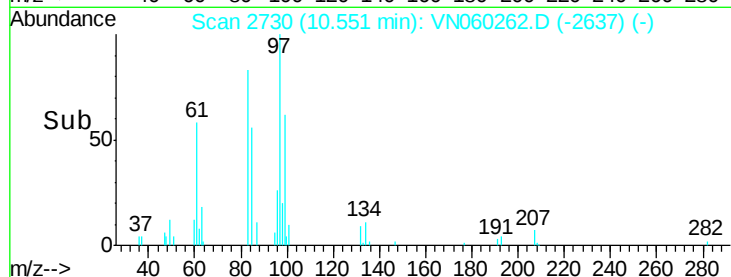
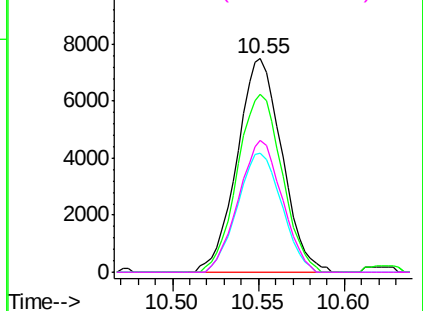


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 5.251 ug/l

RT: 10.42 min Scan# 2688

Delta R.T. 0.00 min

Lab File: VN060262.D

Acq: 27 Feb 2020 10:43

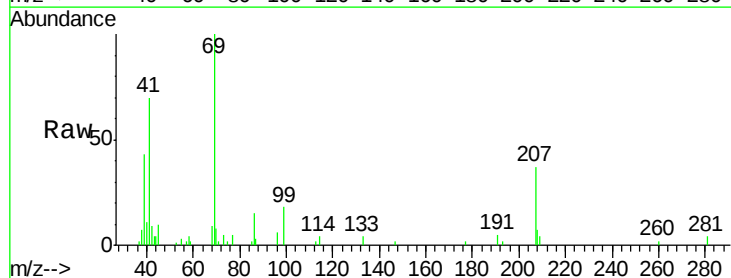
Tgt Ion: 69 Resp: 17905

Ion Ratio Lower Upper

69 100

41 73.5 54.1 81.1

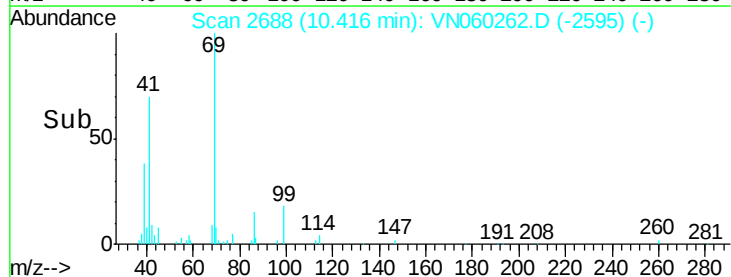
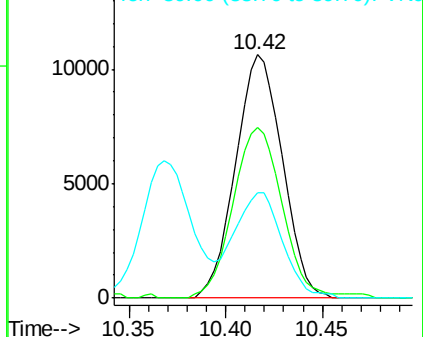
39 45.5 32.5 48.7

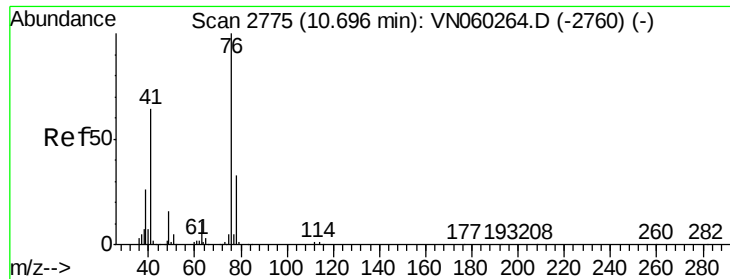


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





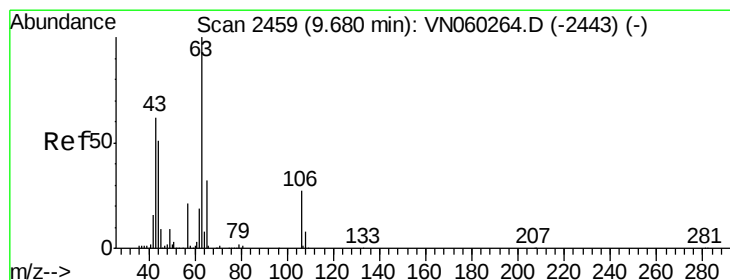
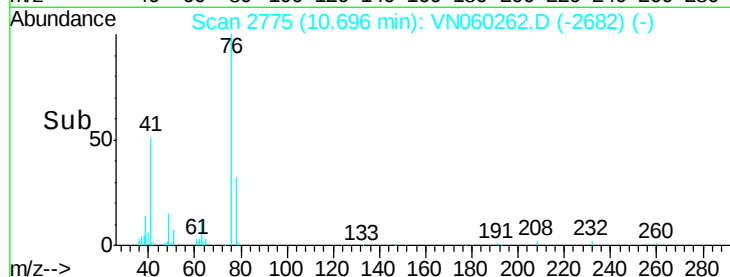
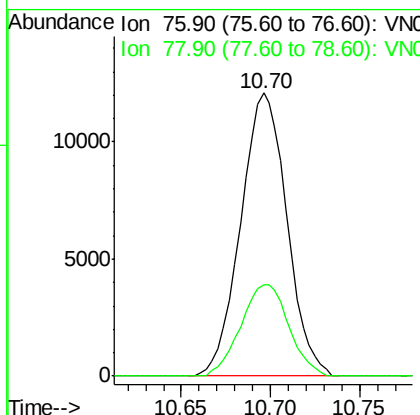
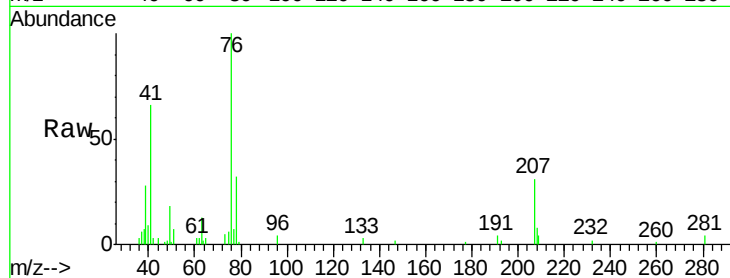
#57
 1,3-Dichloropropane
 Concen: 5.507 ug/l
 RT: 10.70 min Scan# 2775
 Delta R.T. 0.00 min
 Lab File: VN060262.D
 Acq: 27 Feb 2020 10:43

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
76	100		
78	33.7	26.2	39.2

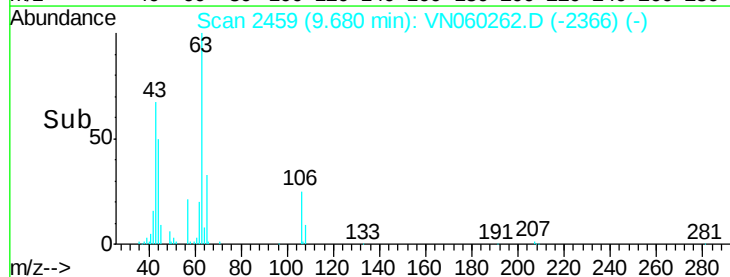
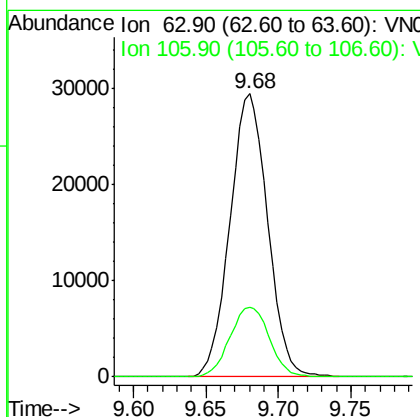
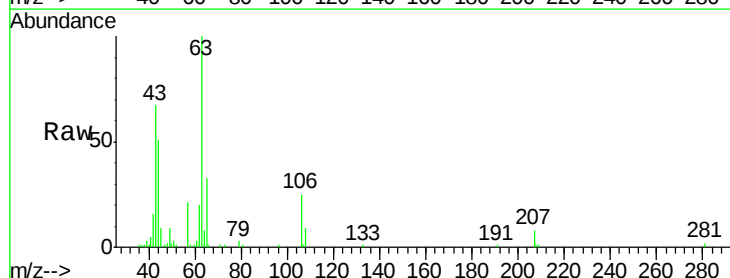
Manual Integrations
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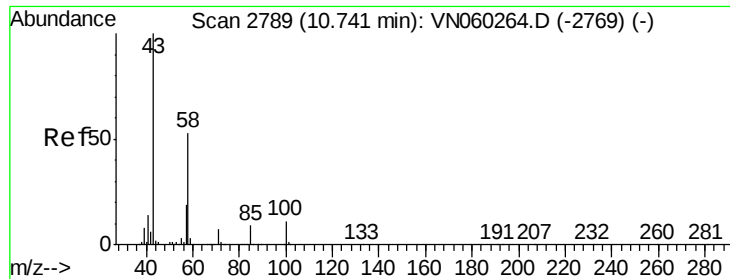
MMDadoda
 2/28/2020 12:31:09 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 32.973 ug/l
 RT: 9.68 min Scan# 2459
 Delta R.T. 0.00 min
 Lab File: VN060262.D
 Acq: 27 Feb 2020 10:43

Tgt Ion	Ratio	Lower	Upper
63	100		
106	25.7	21.1	31.7





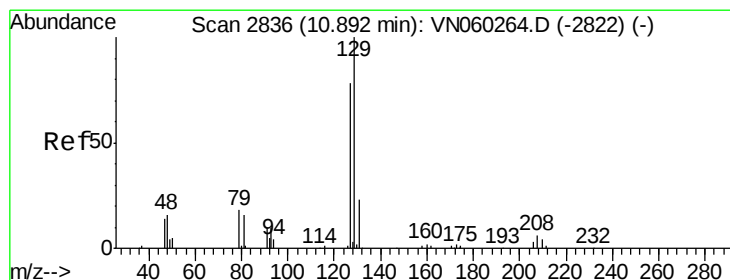
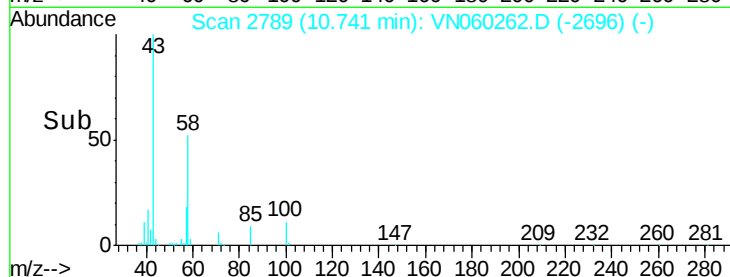
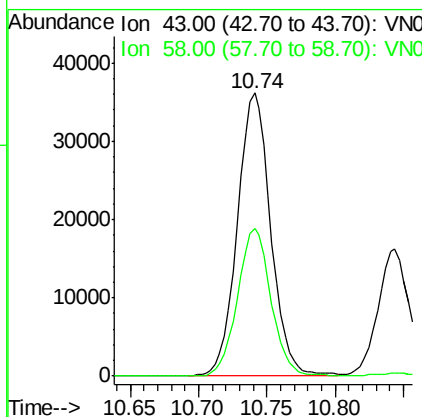
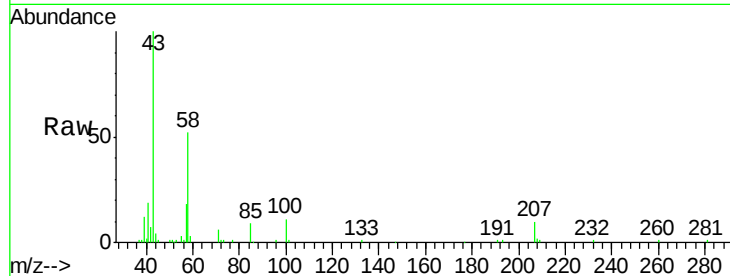
#59
2-Hexanone
Concen: 27.619 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN060262.D
Acq: 27 Feb 2020 10:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
58	52.0	26.5	79.5

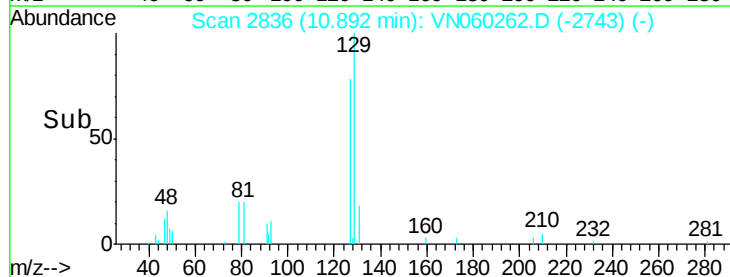
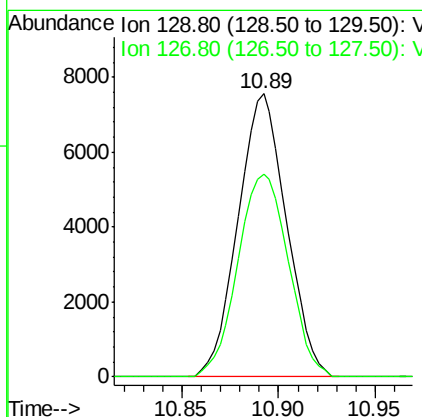
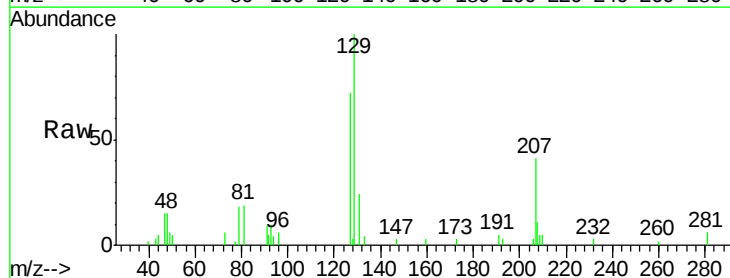
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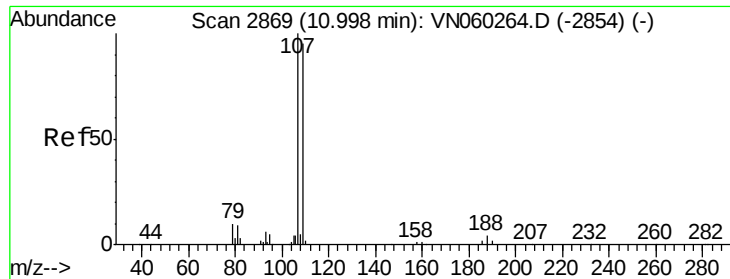
MMDadoda
2/28/2020 12:31:09 PM



#60
Dibromochloromethane
Concen: 4.870 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN060262.D
Acq: 27 Feb 2020 10:43

Tgt Ion	Ratio	Lower	Upper
129	100		
127	74.6	38.9	116.7





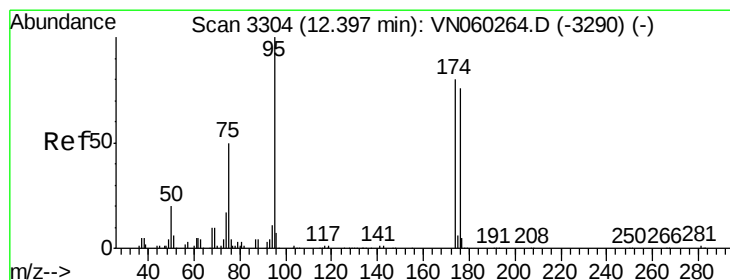
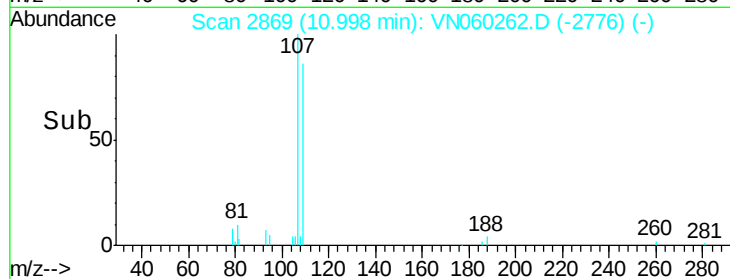
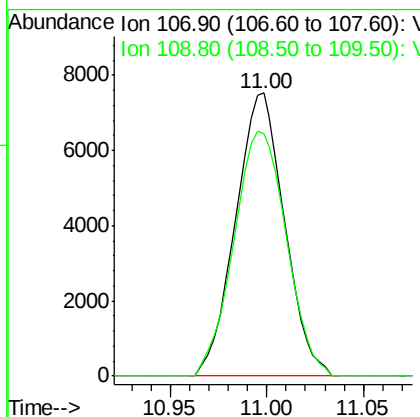
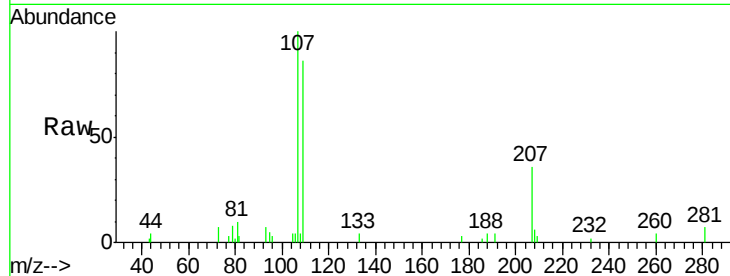
#61
 1,2-Dibromoethane
 Concen: 5.320 ug/l
 RT: 11.00 min Scan# 2869
 Delta R.T. 0.00 min
 Lab File: VN060262.D
 Acq: 27 Feb 2020 10:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion:107 Resp: 13234
 Ion Ratio Lower Upper
 107 100
 109 92.8 76.8 115.2

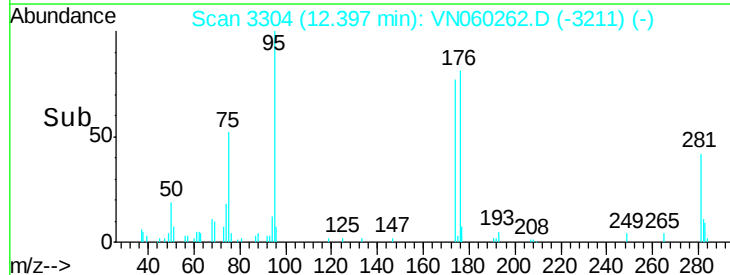
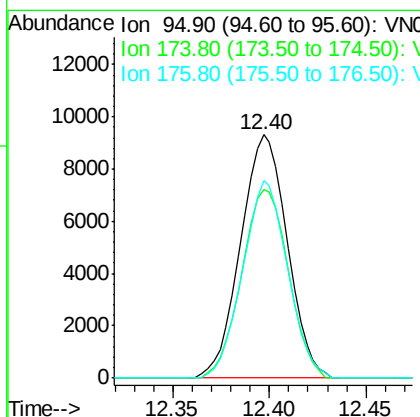
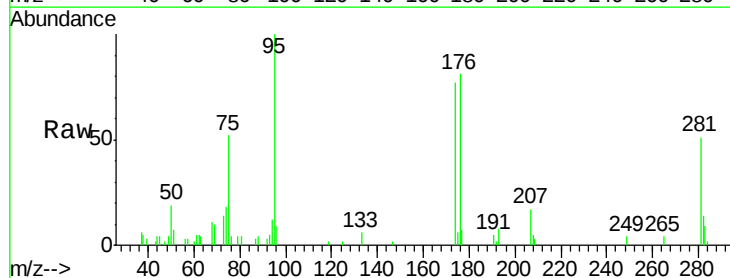
Manual Integrations
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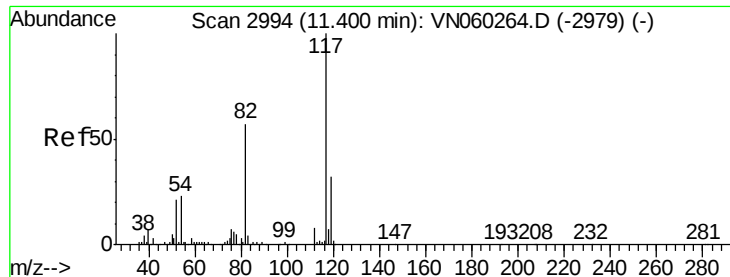
MMDadoda
 2/28/2020 12:31:09 PM



#62
 4-Bromofluorobenzene
 Concen: 5.078 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN060262.D
 Acq: 27 Feb 2020 10:43

Tgt Ion: 95 Resp: 15601
 Ion Ratio Lower Upper
 95 100
 174 77.6 0.0 159.2
 176 78.3 0.0 153.8





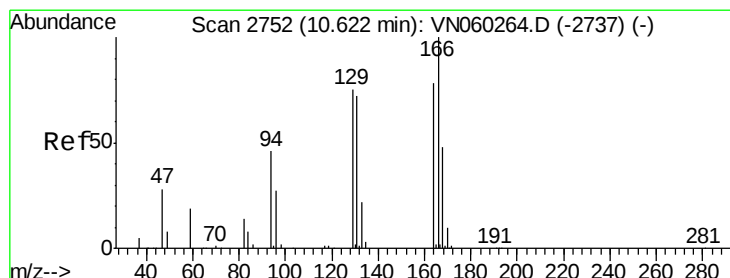
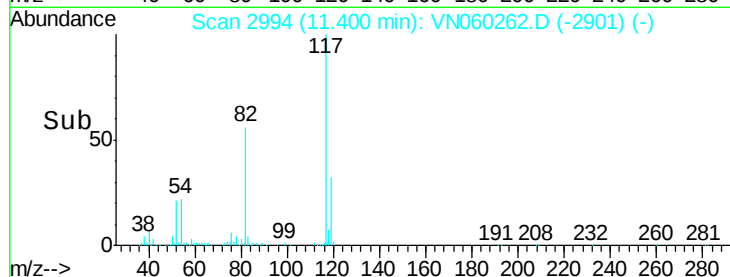
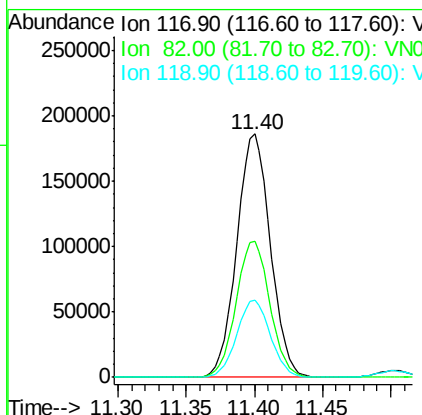
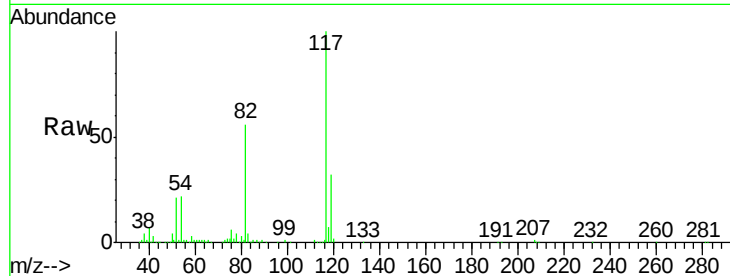
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060262.D
Acq: 27 Feb 2020 10:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.0	45.8	68.6
119	31.6	25.8	38.8

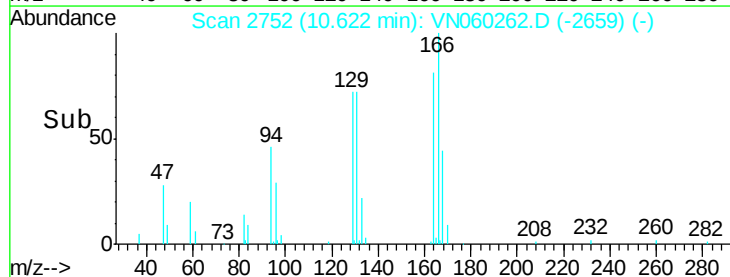
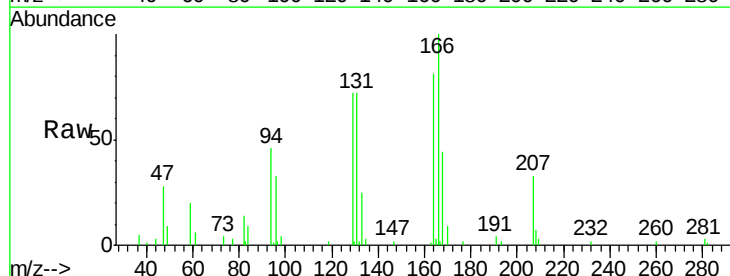
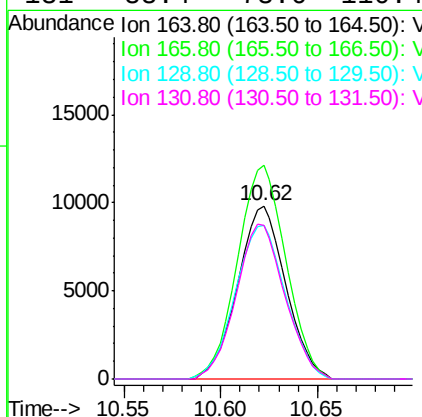
Manual Integrations
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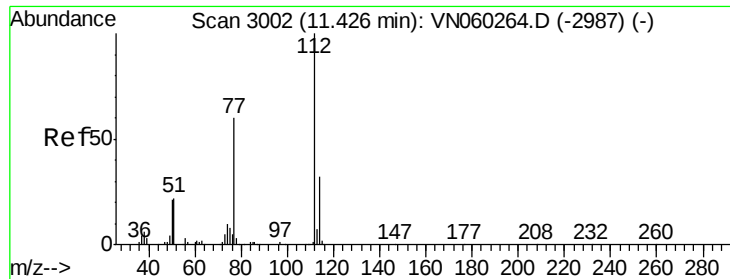
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#64
Tetrachloroethene
Concen: 6.912 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN060262.D
Acq: 27 Feb 2020 10:43

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.2	102.0	153.0
129	88.5	76.4	114.6
131	88.4	73.6	110.4





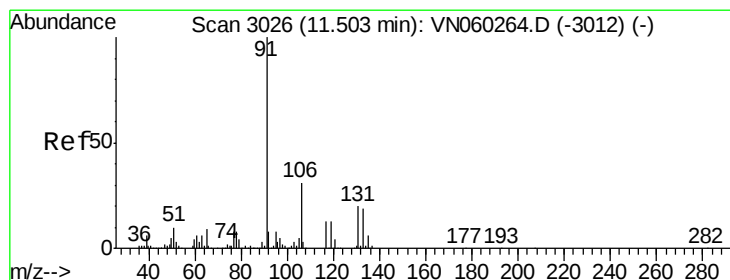
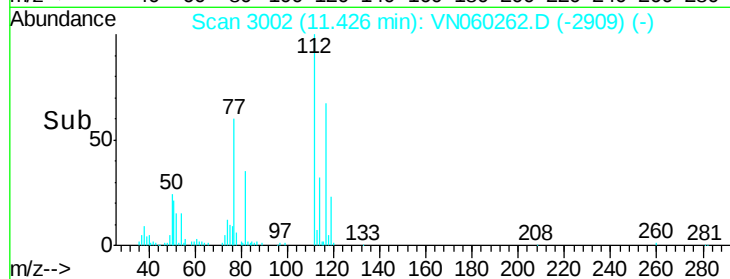
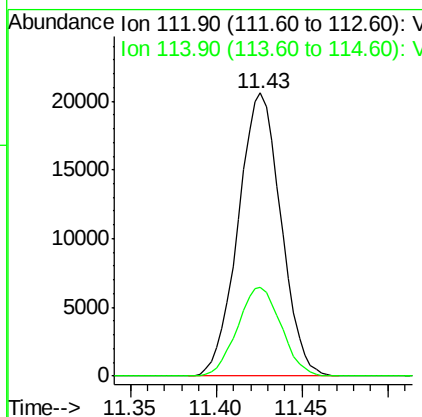
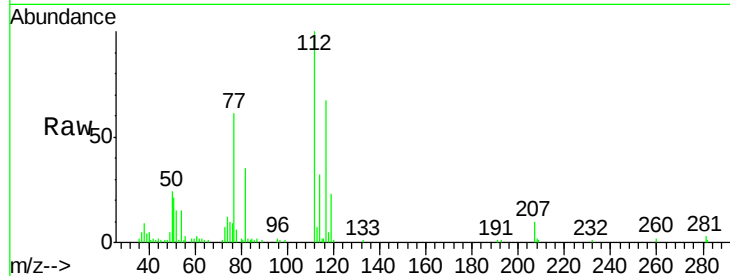
#65
Chlorobenzene
Concen: 5.513 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. 0.00 min
Lab File: VN060262.D
Acq: 27 Feb 2020 10:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion:112 Resp: 35531
Ion Ratio Lower Upper
112 100
114 31.5 25.4 38.0

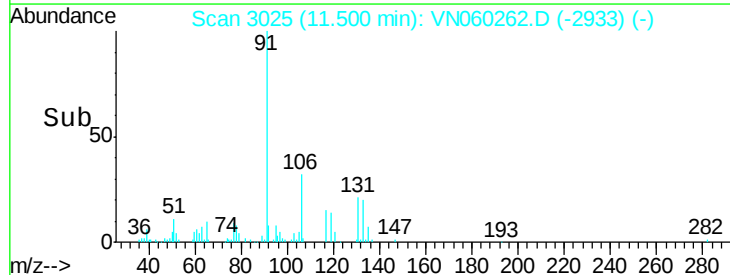
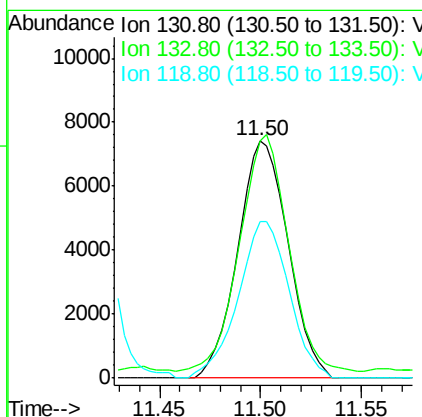
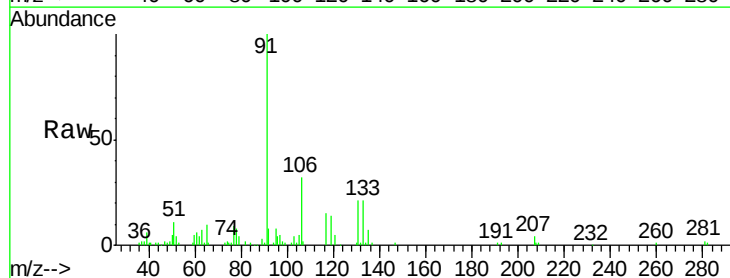
Manual Integrations
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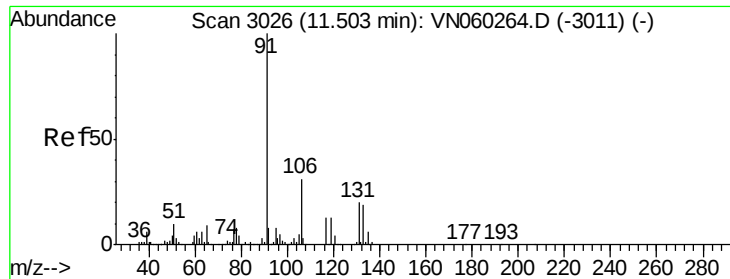
MMDadoda
2/28/2020 12:31:09 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 5.312 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. -0.00 min
Lab File: VN060262.D
Acq: 27 Feb 2020 10:43

Tgt Ion:131 Resp: 12923
Ion Ratio Lower Upper
131 100
133 96.8 47.7 143.1
119 66.8 33.2 99.6





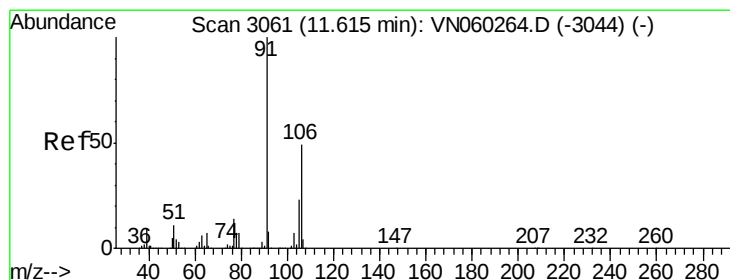
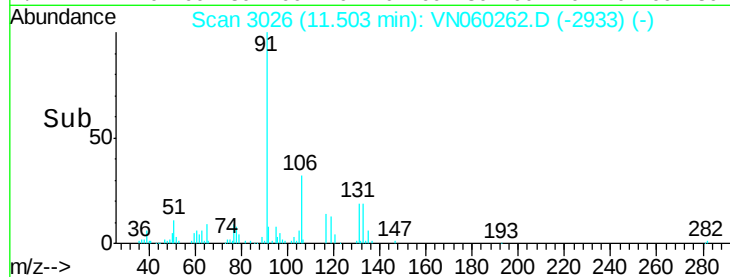
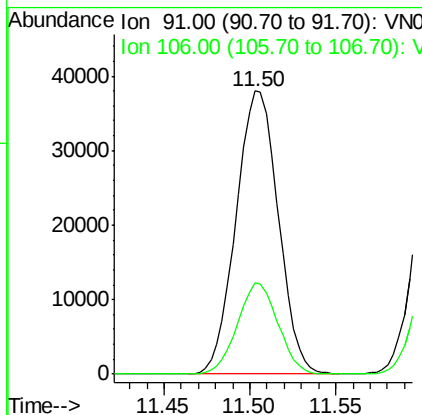
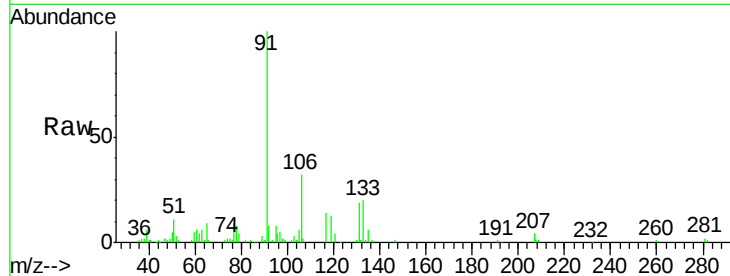
#67
Ethyl Benzene
Concen: 5.557 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN060262.D
Acq: 27 Feb 2020 10:43

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion: 91 Resp: 64818
Ion Ratio Lower Upper
91 100
106 32.2 24.7 37.1

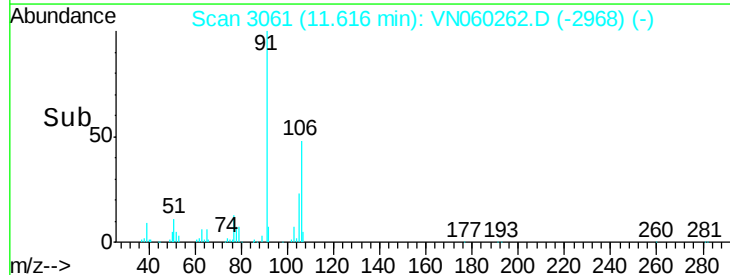
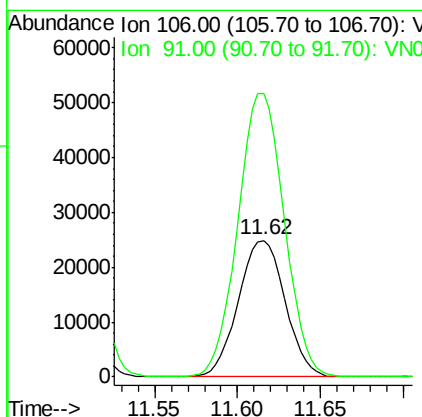
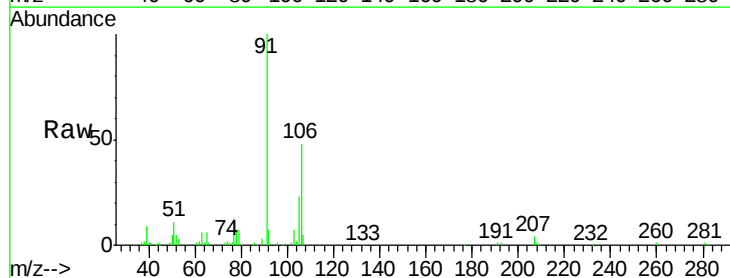
Manual Integrations
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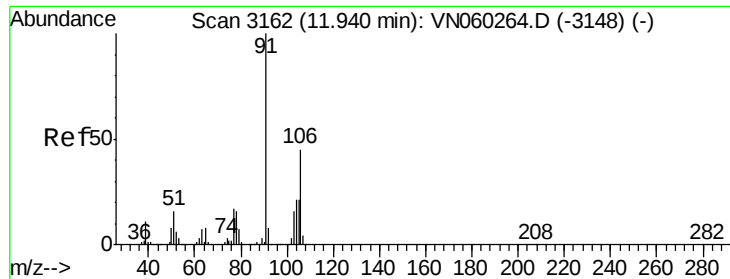
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#68
m/p-Xylenes
Concen: 11.188 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. 0.00 min
Lab File: VN060262.D
Acq: 27 Feb 2020 10:43

Tgt Ion: 106 Resp: 48858
Ion Ratio Lower Upper
106 100
91 205.6 164.5 246.7





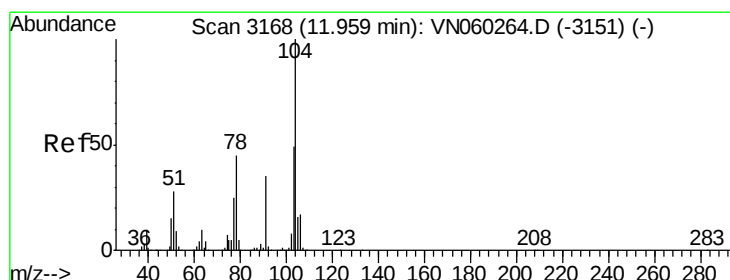
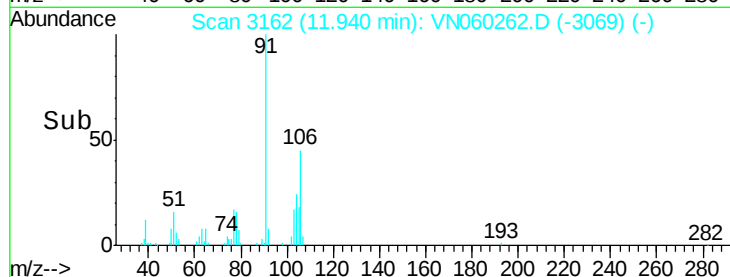
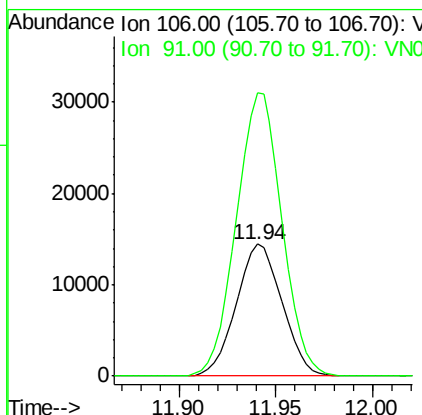
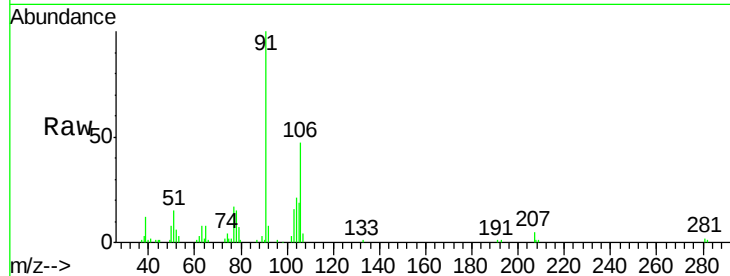
#69
o-Xylene
Concen: 5.653 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN060262.D
Acq: 27 Feb 2020 10:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	214.1	109.5	328.4	

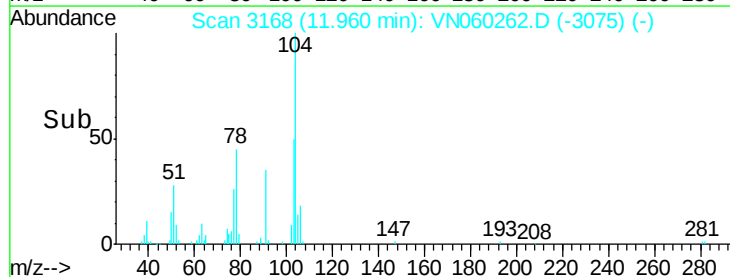
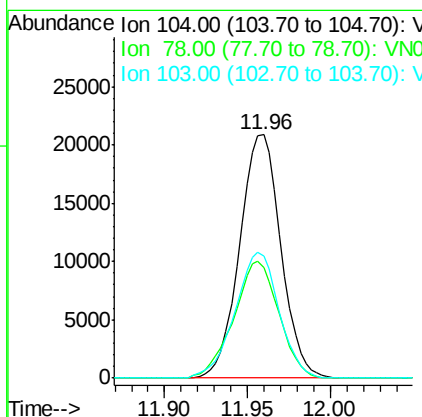
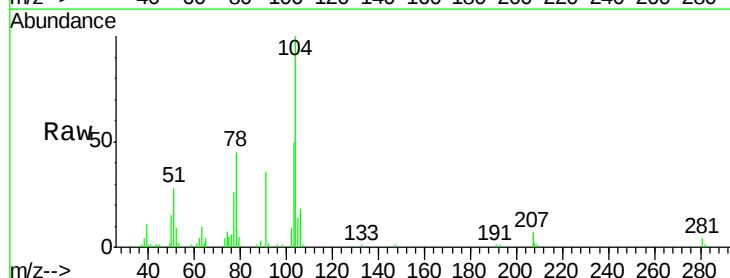
Manual Integrations
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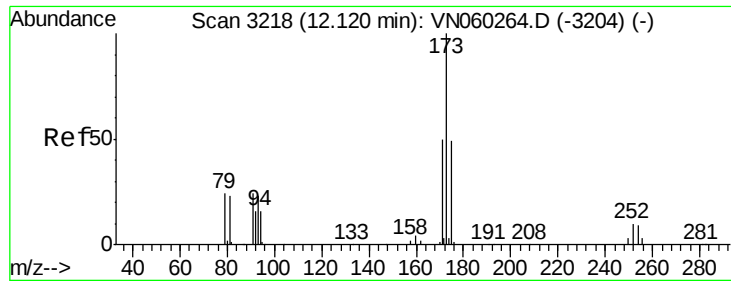
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#70
Styrene
Concen: 5.306 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VN060262.D
Acq: 27 Feb 2020 10:43

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	52.4	41.2	61.8	
103	55.2	43.9	65.9	





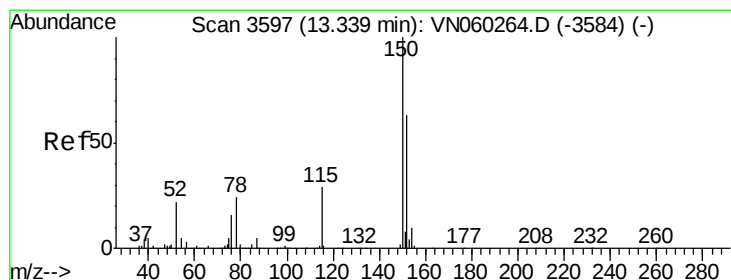
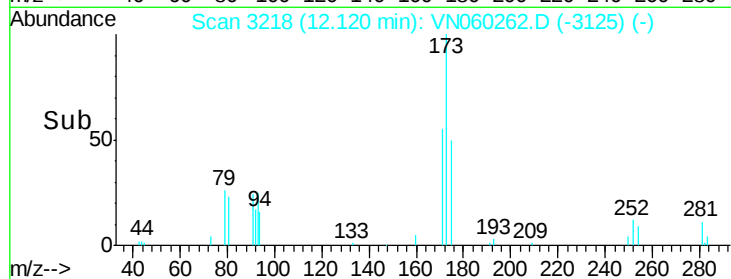
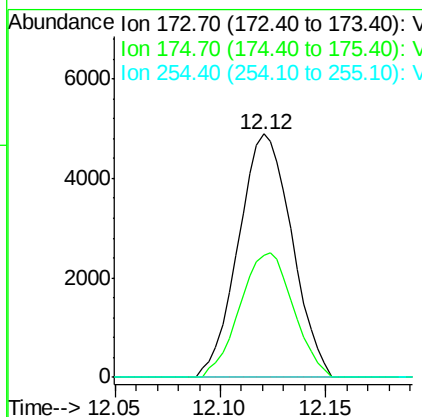
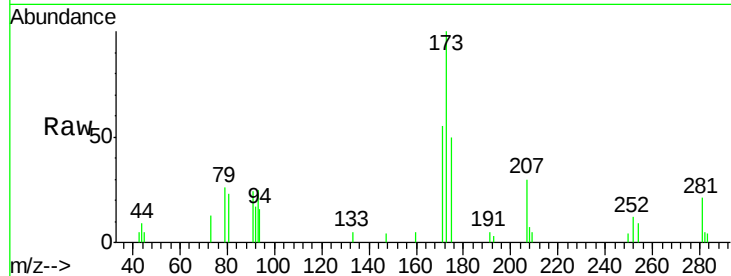
#71
Bromoform
Concen: 4.456 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN060262.D
Acq: 27 Feb 2020 10:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
173	100		
175	51.1	24.1	72.2
254	0.0	0.0	0.0

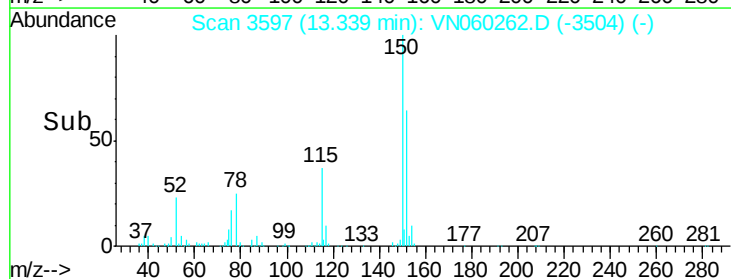
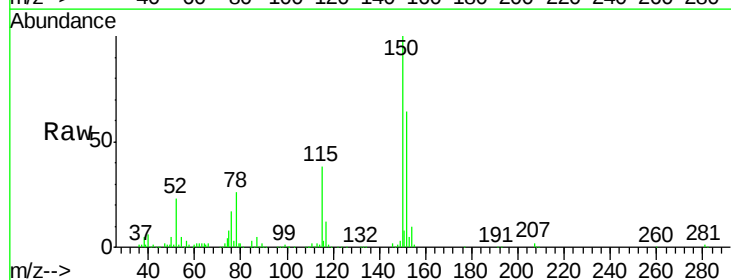
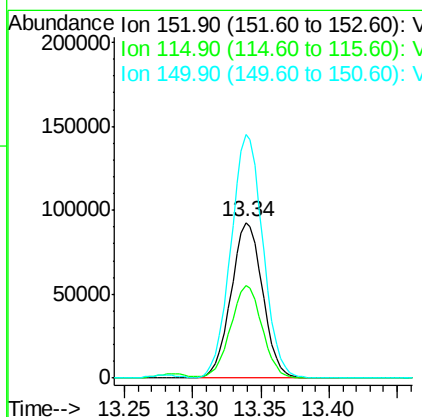
Manual Integrations
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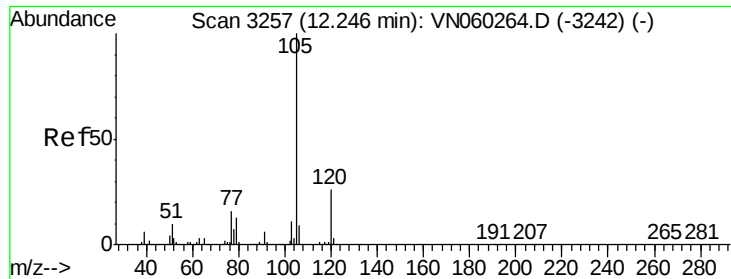
MMDadoda
2/28/2020 12:31:09 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN060262.D
Acq: 27 Feb 2020 10:43

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.4	30.0	90.0
150	158.9	0.0	349.6





#73

Isopropylbenzene

Concen: 5.684 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN060262.D

Acq: 27 Feb 2020 10:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 105 Resp: 63421

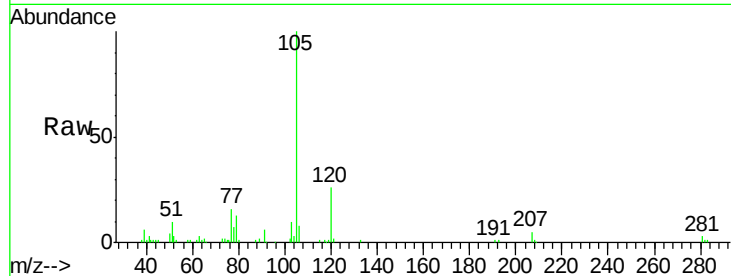
Ion Ratio Lower Upper

105 100

120 25.5 13.0 38.9

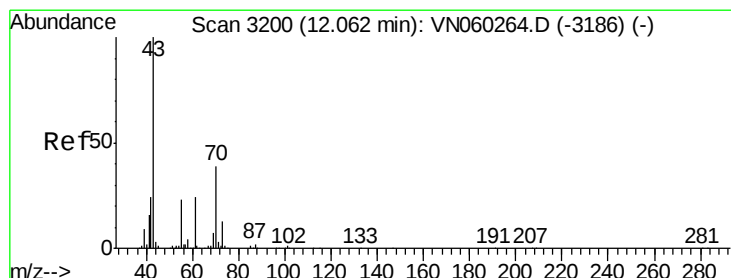
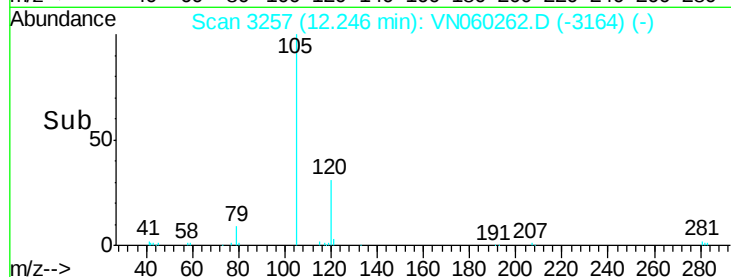
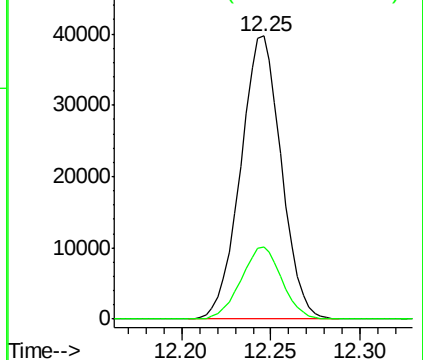
Manual Integrations
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MMDadoda
2/28/2020 12:31:09 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 6.348 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VN060262.D

Acq: 27 Feb 2020 10:43

Tgt Ion: 43 Resp: 26077

Ion Ratio Lower Upper

43 100

70 40.4 32.2 48.2

55 24.5 18.2 27.4

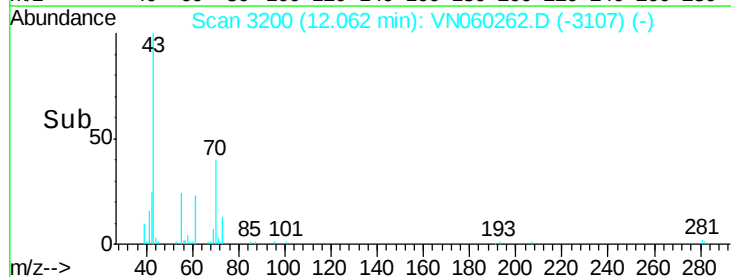
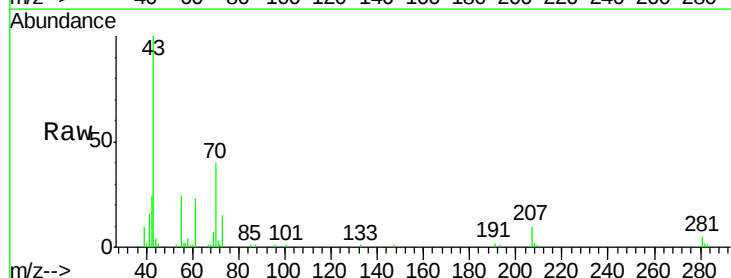
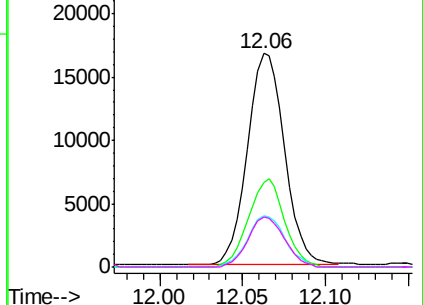
61 23.3 19.2 28.8

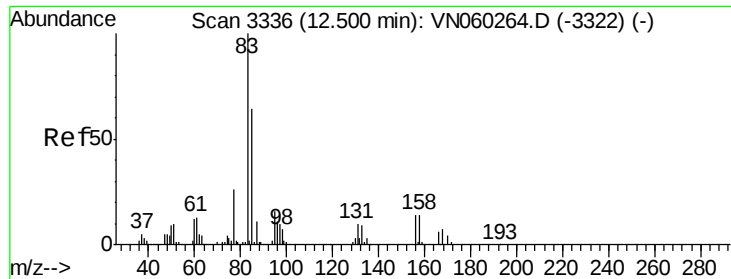
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 5.199 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN060262.D

Acq: 27 Feb 2020 10:43

Instrument :

MSVOA_N

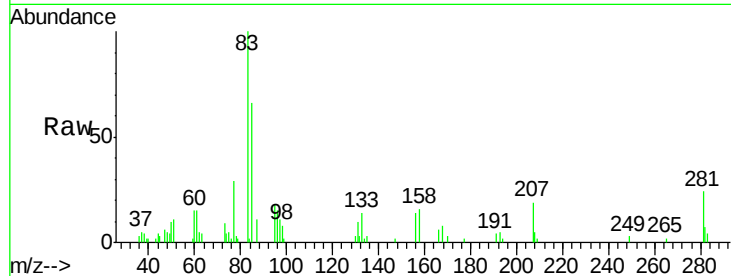
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	16502
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.1	15.3
85	64.6	32.3	96.8

Manual Integrations
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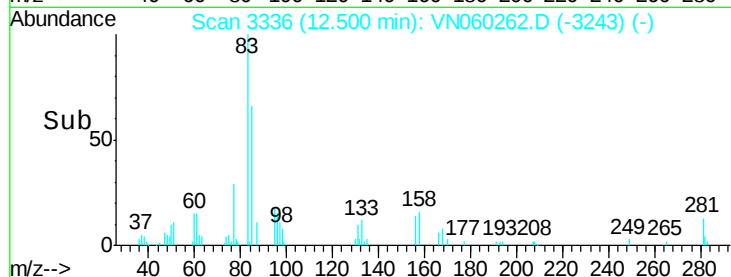


Abundance Ion 82.90 (82.60 to 83.60): VN060262.D (-3322) (-)

Ion 130.80 (130.50 to 131.50): VN060262.D (-3322) (-)

Ion 84.90 (84.60 to 85.60): VN060262.D (-3322) (-)

Time-->

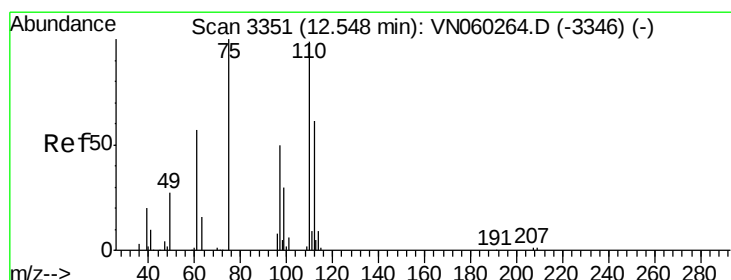


Abundance Ion 82.90 (82.60 to 83.60): VN060262.D (-3322) (-)

Ion 130.80 (130.50 to 131.50): VN060262.D (-3322) (-)

Ion 84.90 (84.60 to 85.60): VN060262.D (-3322) (-)

Time-->



#76

1,2,3-Trichloropropane

Concen: 6.666 ug/l m

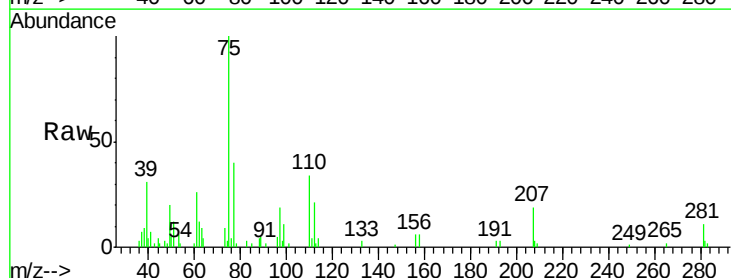
RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VN060262.D

Acq: 27 Feb 2020 10:43

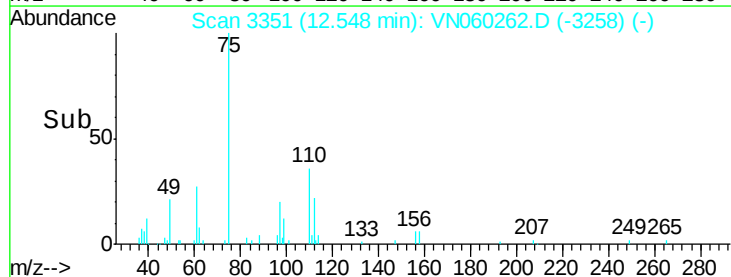
Tgt Ion:	75	Resp:	19141
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN060262.D (-3351) (-)

Ion 77.00 (76.70 to 77.70): VN060262.D (-3351) (-)

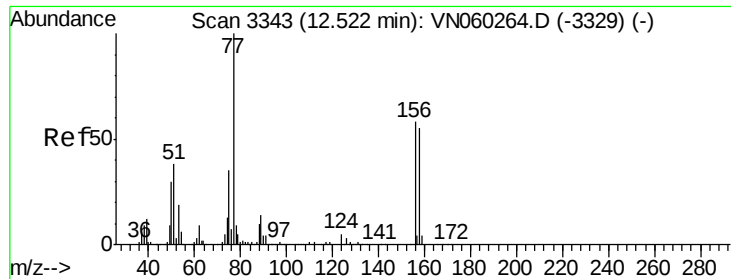
Time-->



Abundance Ion 74.90 (74.60 to 75.60): VN060262.D (-3351) (-)

Ion 77.00 (76.70 to 77.70): VN060262.D (-3351) (-)

Time-->



#77

Bromobenzene

Concen: 5.441 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN060262.D

Acq: 27 Feb 2020 10:43

Instrument :

MSVOA_N

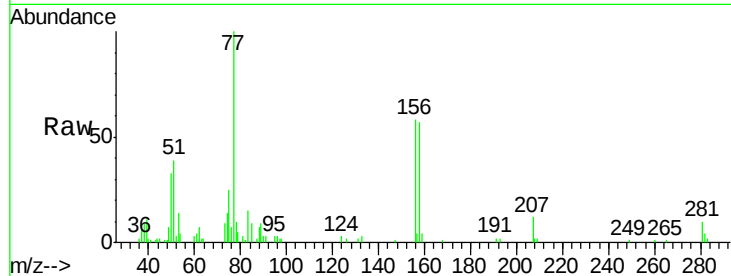
ClientSampleId :

VSTDIC005

Tot Ion:	156	Resp:	14989
Ion Ratio	Lower	Upper	
156	100		
77	214.8	106.1	318.3
158	98.9	48.3	144.8

Manual Integrations
APPROVED

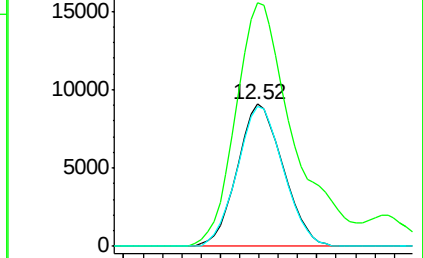
MMDadoda
2/28/2020 12:31:09 PM



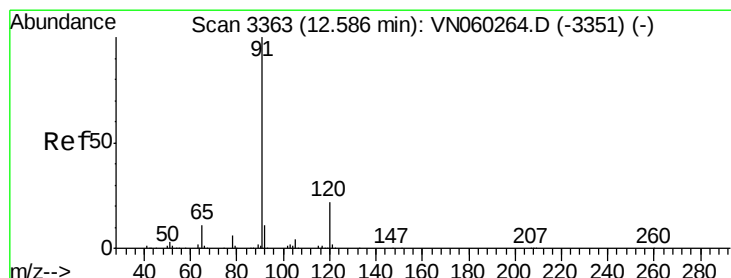
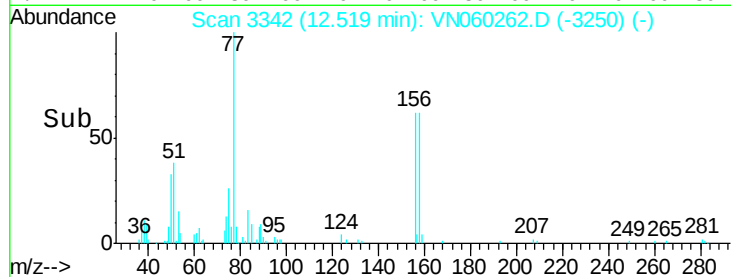
Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



Time-->



#78

n-propylbenzene

Concen: 5.767 ug/l

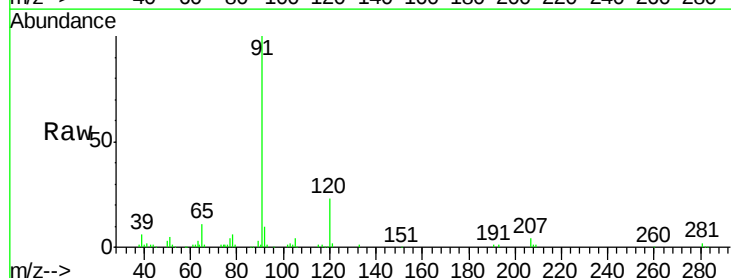
RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN060262.D

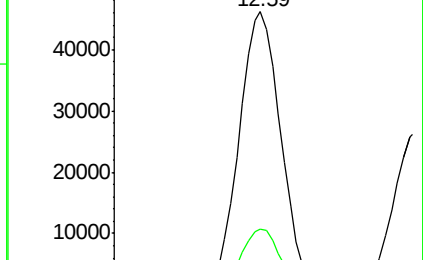
Acq: 27 Feb 2020 10:43

Tgt Ion:	91	Resp:	73582
Ion Ratio	Lower	Upper	
91	100		
120	22.7	11.3	33.9

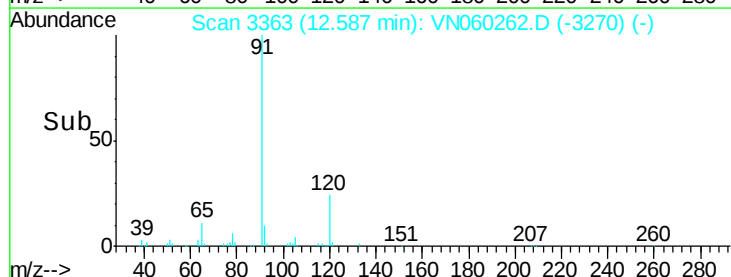


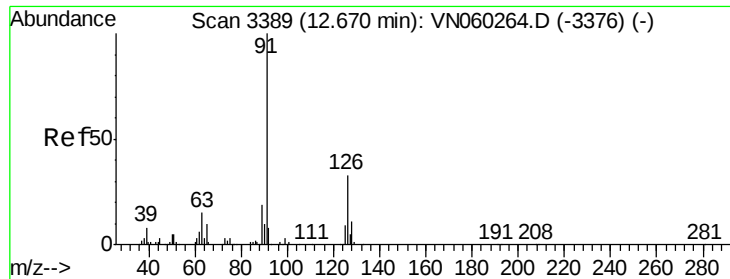
Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V



Time-->





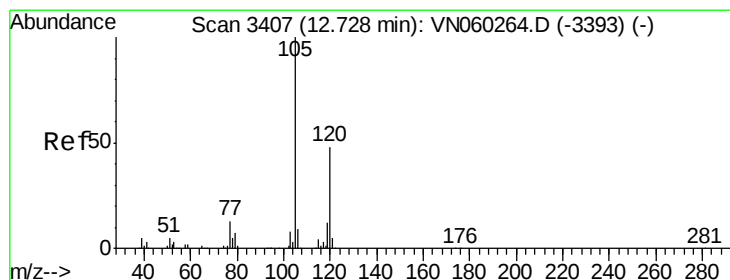
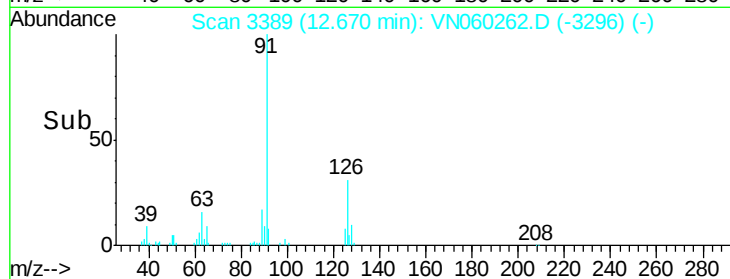
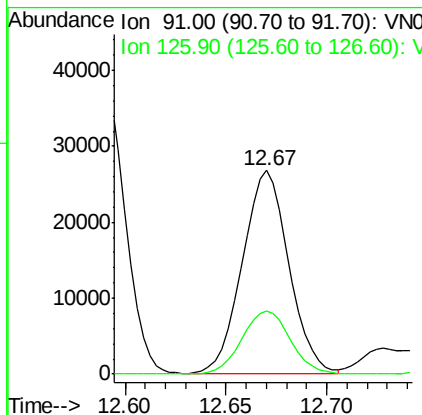
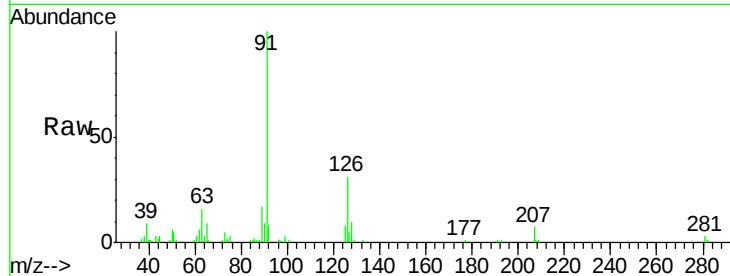
#79
 2-Chlorotoluene
 Concen: 5.795 ug/l
 RT: 12.67 min Scan# 3389
 Delta R.T. 0.00 min
 Lab File: VN060262.D
 Acq: 27 Feb 2020 10:43

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tot Ion: 91 Resp: 43459
 Ion Ratio Lower Upper
 91 100
 126 32.1 16.6 49.8

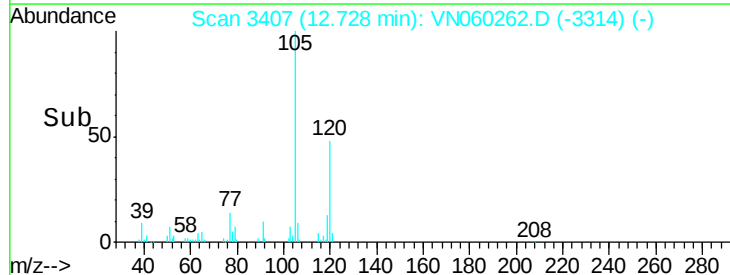
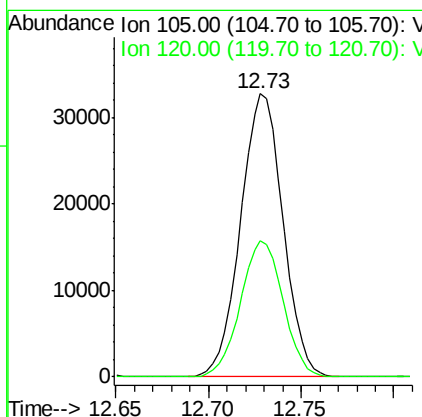
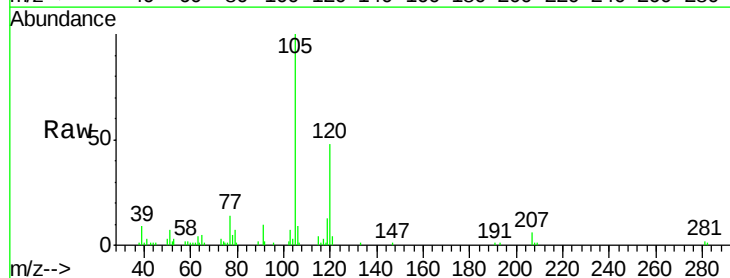
Manual Integrations
 APPROVED

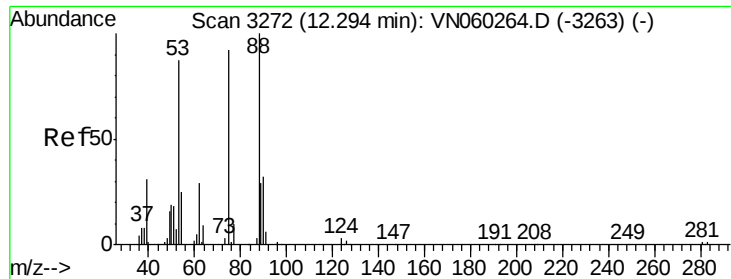
MMDadoda
 2/28/2020 12:31:09 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 5.609 ug/l
 RT: 12.73 min Scan# 3407
 Delta R.T. 0.00 min
 Lab File: VN060262.D
 Acq: 27 Feb 2020 10:43

Tgt Ion: 105 Resp: 52104
 Ion Ratio Lower Upper
 105 100
 120 48.2 24.1 72.4





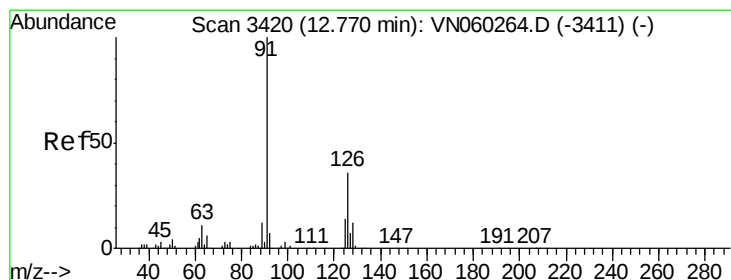
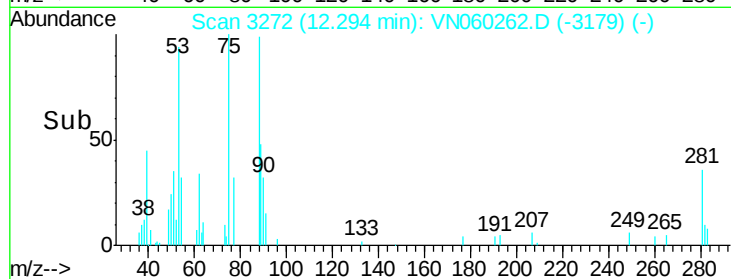
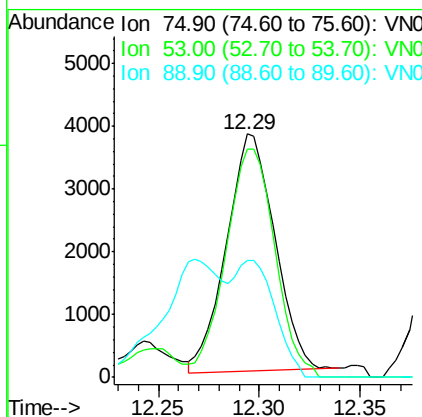
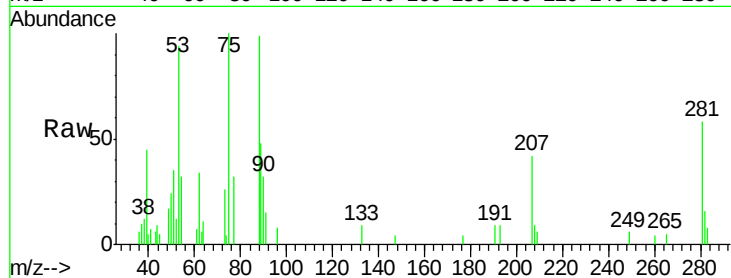
#81
trans-1,4-Dichloro-2-butene
Concen: 5.419 ug/l
RT: 12.29 min Scan# 3272
Delta R.T. 0.00 min
Lab File: VN060262.D
Acq: 27 Feb 2020 10:43

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
53	98.1	73.8	110.6
89	0.0	57.1	85.7#

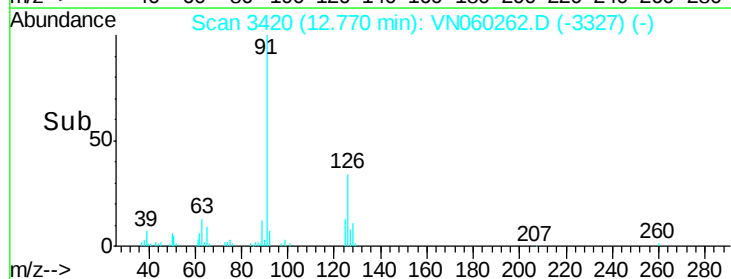
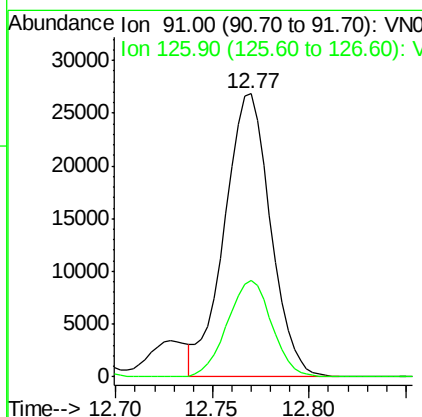
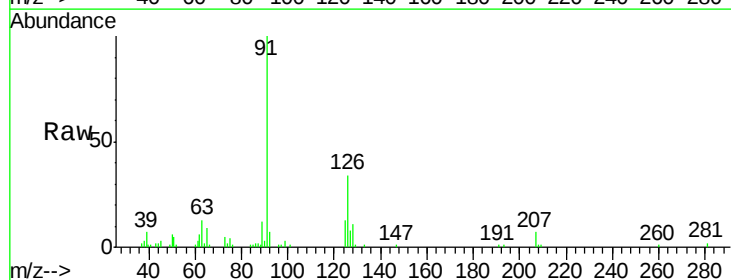
Manual Integrations
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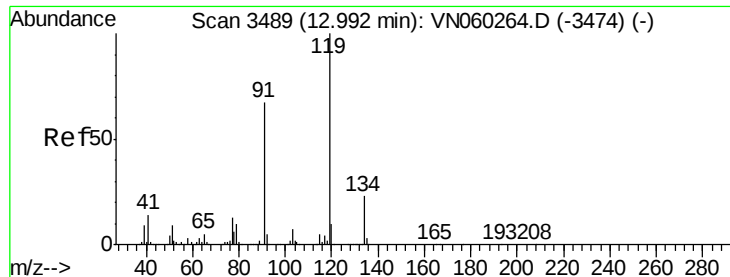
MMDadoda
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#82
4-Chlorotoluene
Concen: 5.777 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. 0.00 min
Lab File: VN060262.D
Acq: 27 Feb 2020 10:43

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.8	16.7	50.1





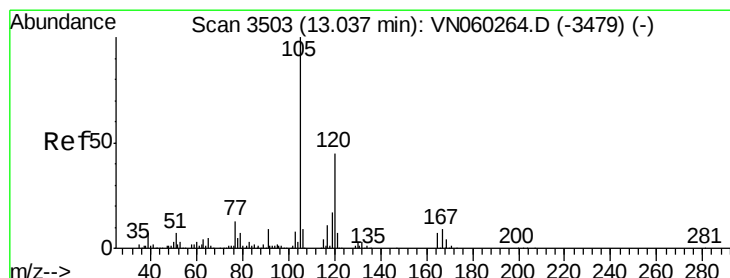
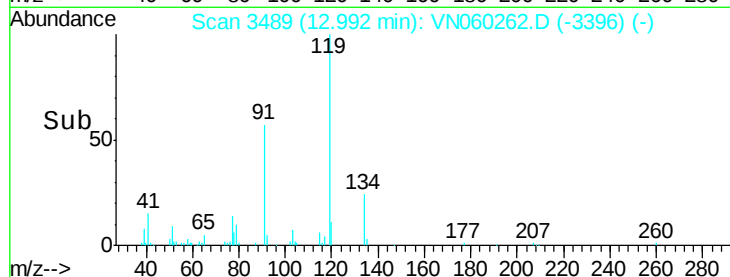
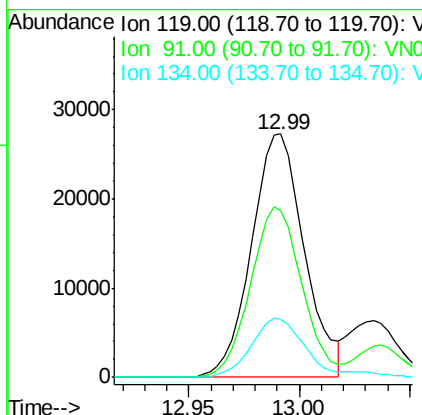
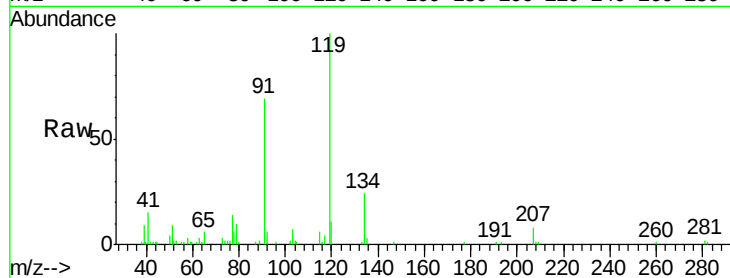
#83
tert-Butylbenzene
Concen: 5.522 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN060262.D
Acq: 27 Feb 2020 10:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.0	33.1	99.2
134	25.4	12.4	37.0

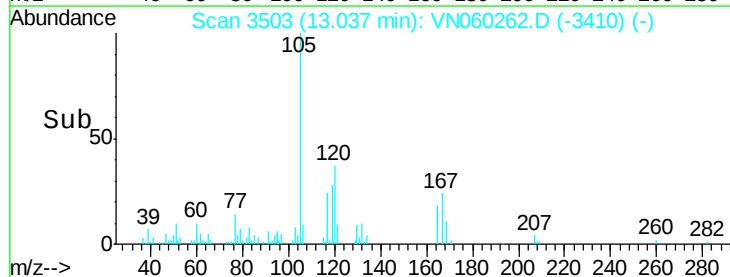
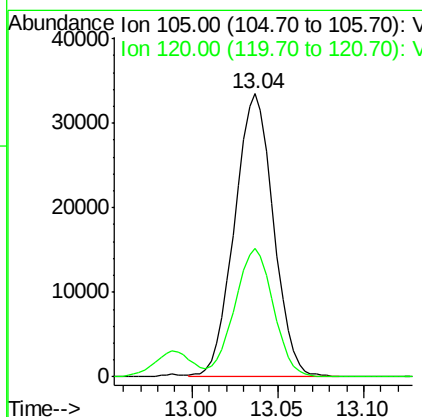
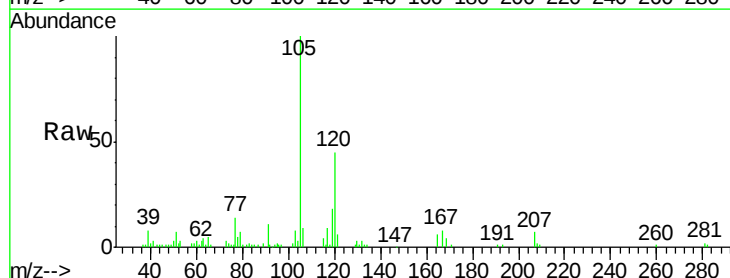
Manual Integrations
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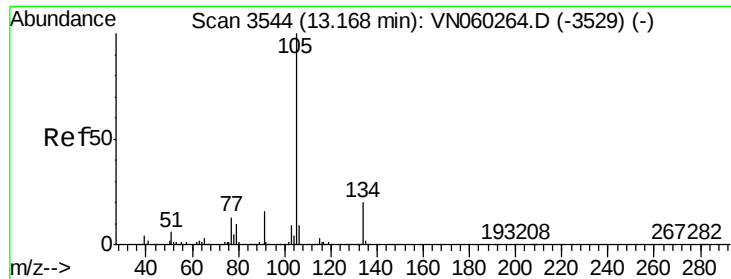
MMDadoda
2/28/2020 12:31:09 PM



#84
1,2,4-Trimethylbenzene
Concen: 5.744 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. 0.00 min
Lab File: VN060262.D
Acq: 27 Feb 2020 10:43

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.0	22.3	66.9





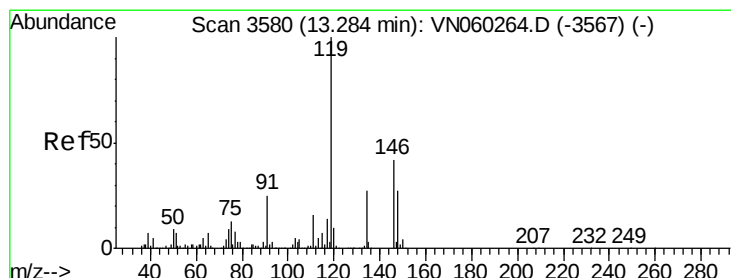
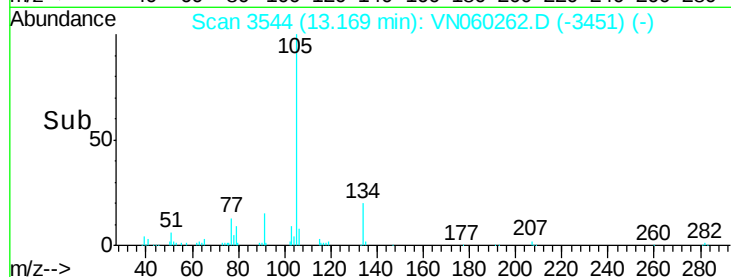
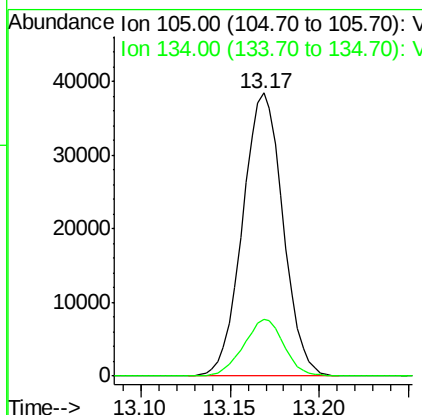
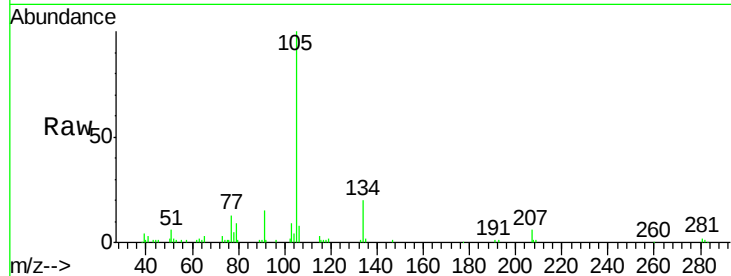
#85
 sec-Butylbenzene
 Concen: 5.594 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. 0.00 min
 Lab File: VN060262.D
 Acq: 27 Feb 2020 10:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
105	100	60790		
134	20.0	9.8	29.5	

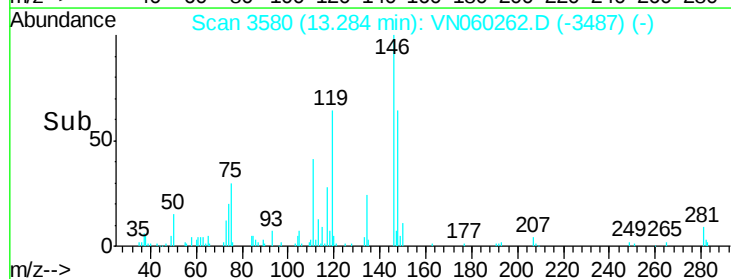
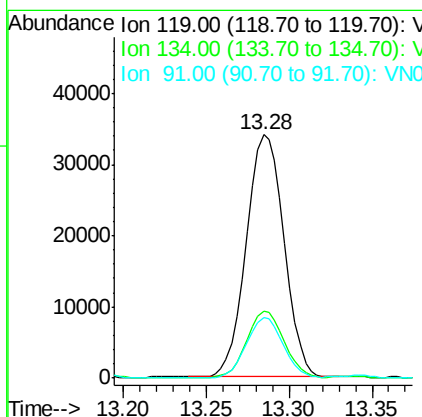
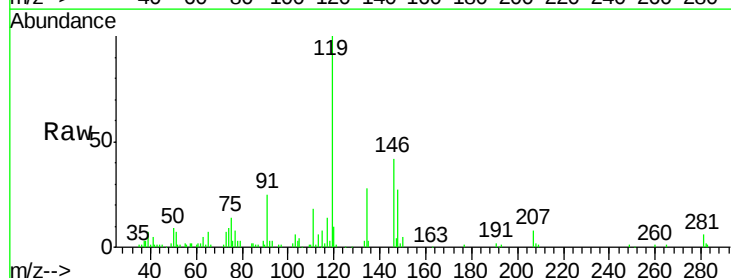
Manual Integrations
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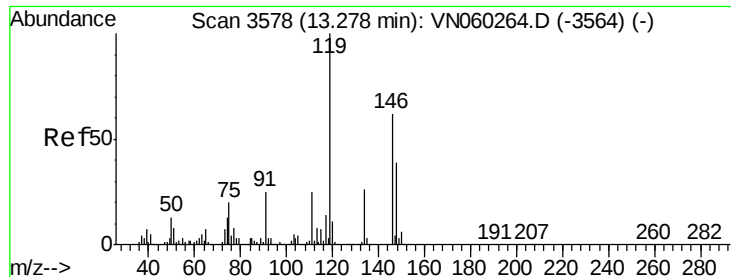
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 2/28/2020 12:31:09 PM



#86
 p-Isopropyltoluene
 Concen: 5.486 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN060262.D
 Acq: 27 Feb 2020 10:43

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	54041		
134	27.5	13.2	39.6	
91	24.5	12.2	36.6	





#87

1,3-Dichlorobenzene

Concen: 5.588 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. 0.00 min

Lab File: VN060262.D

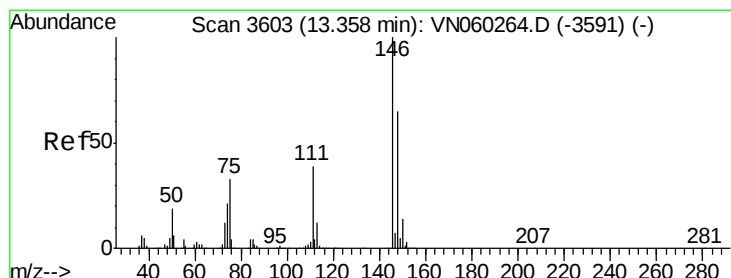
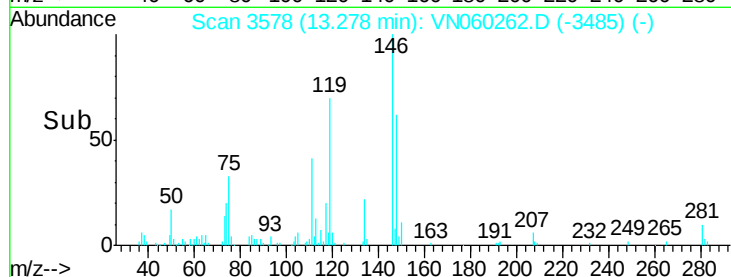
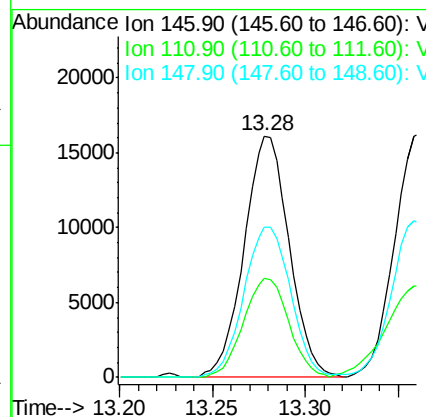
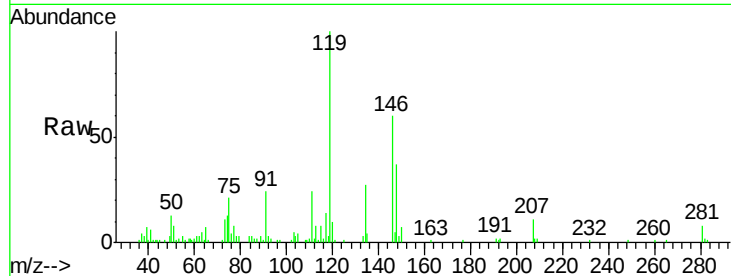
Acq: 27 Feb 2020 10:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.0	59.9
148	64.6	32.1	96.3

Manual Integrations
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2/28/2020 12:31:09 PM



#88

1,4-Dichlorobenzene

Concen: 5.512 ug/l

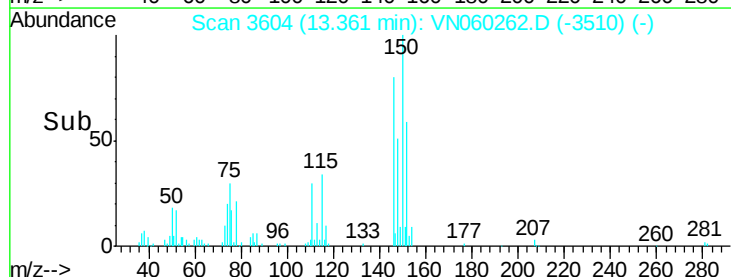
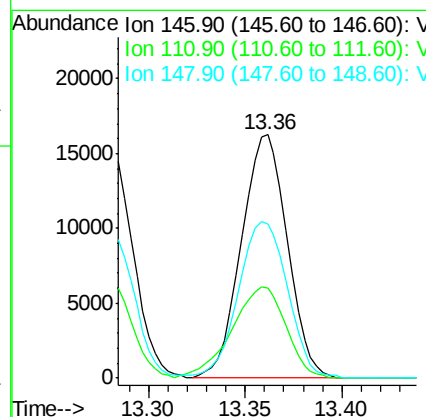
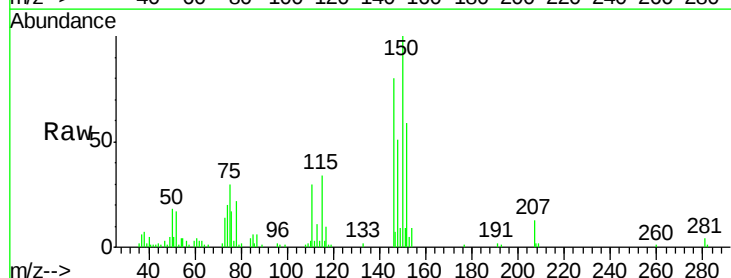
RT: 13.36 min Scan# 3604

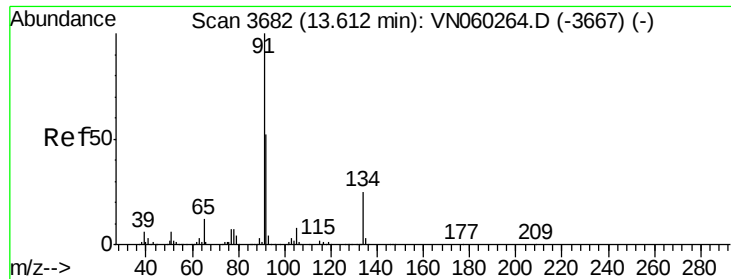
Delta R.T. 0.00 min

Lab File: VN060262.D

Acq: 27 Feb 2020 10:43

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.1	19.8	59.4
148	68.8	32.3	96.9





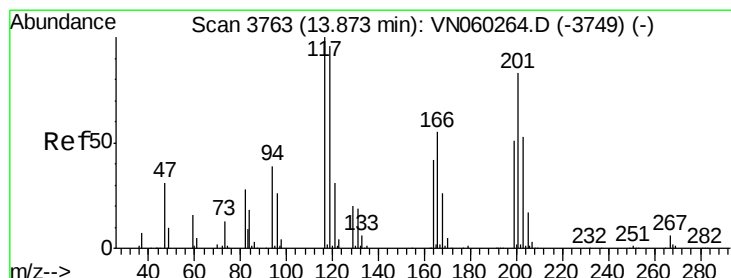
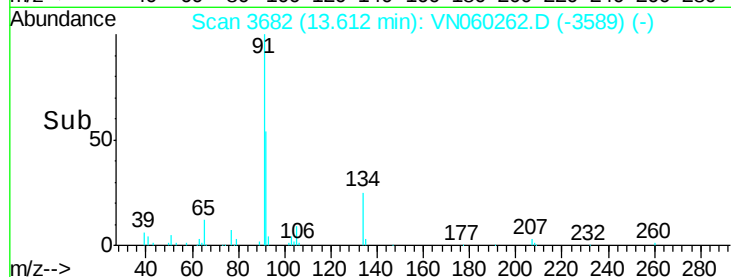
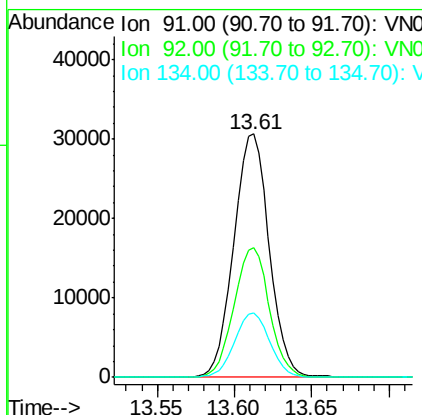
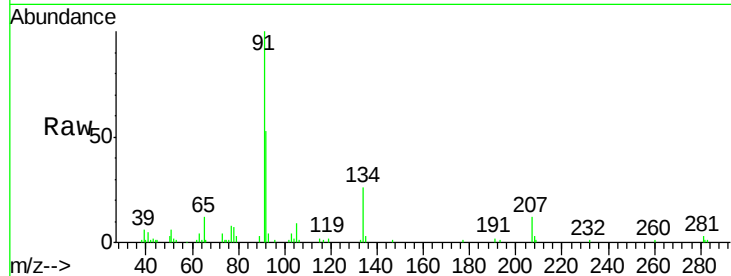
#89
n-Butylbenzene
Concen: 5.591 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN060262.D
Acq: 27 Feb 2020 10:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.1	26.0	78.0
134	26.2	12.7	38.1

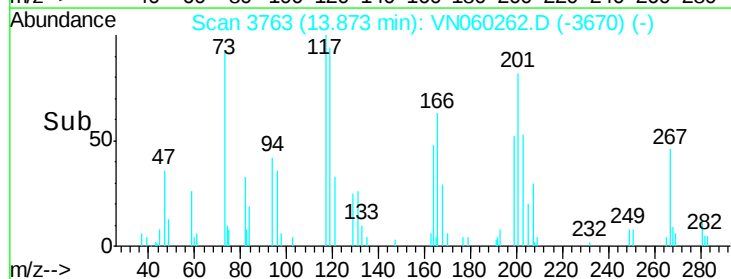
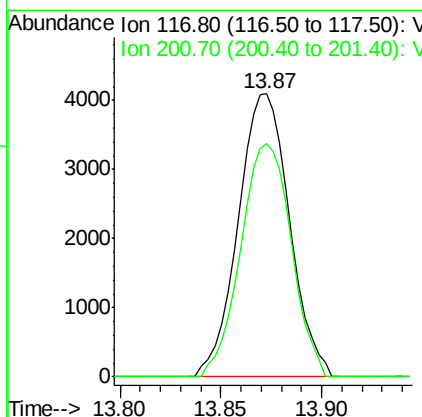
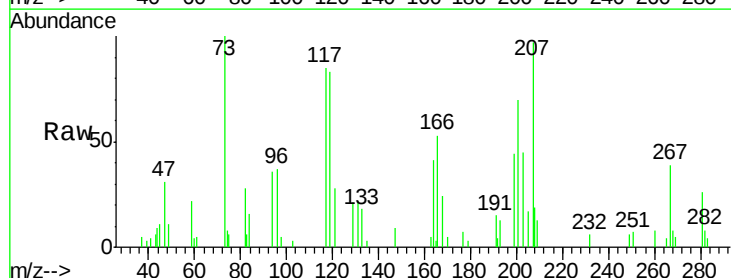
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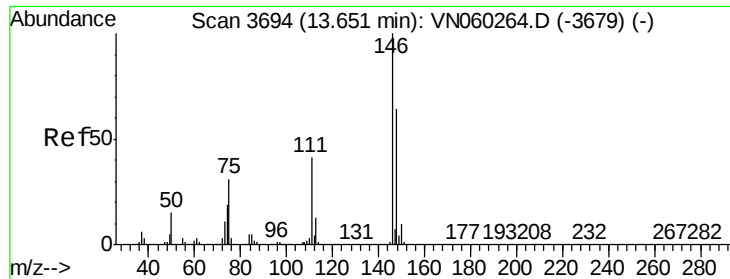
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#90
Hexachloroethane
Concen: 4.088 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN060262.D
Acq: 27 Feb 2020 10:43

Tgt Ion	Ratio	Lower	Upper
117	100		
201	81.1	41.0	123.0





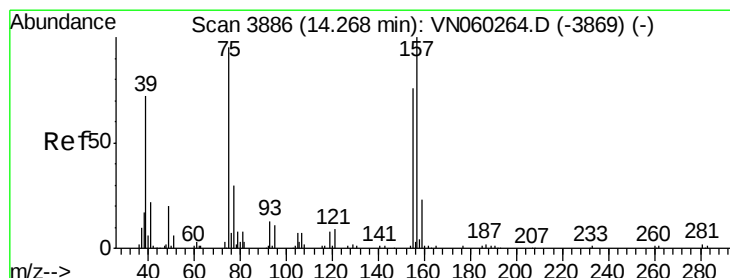
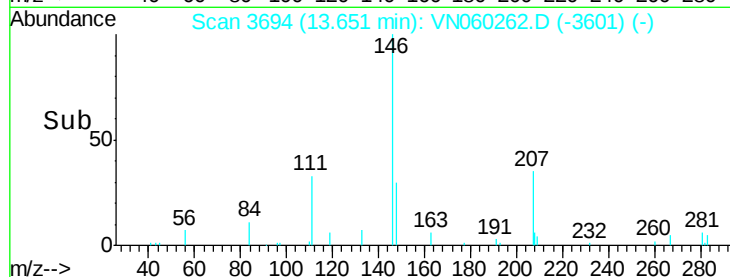
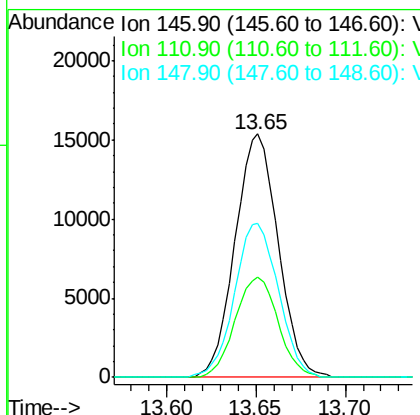
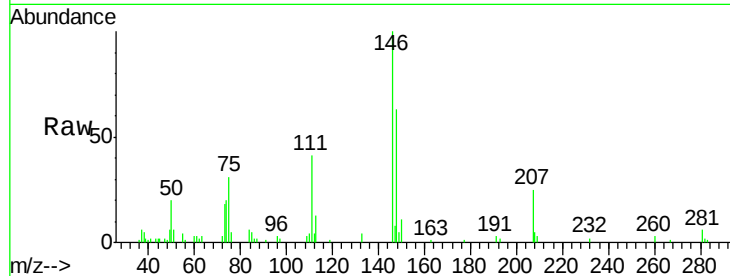
#91
 1,2-Dichlorobenzene
 Concen: 5.405 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN060262.D
 Acq: 27 Feb 2020 10:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.3	61.0
148	64.4	31.8	95.3

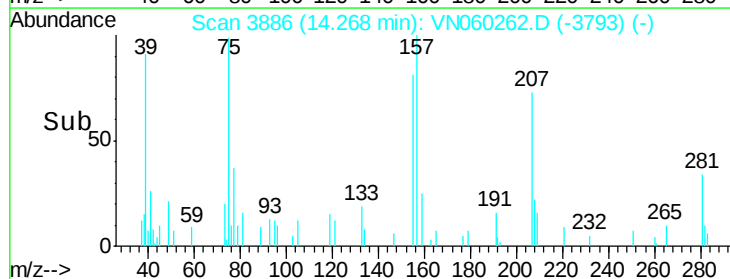
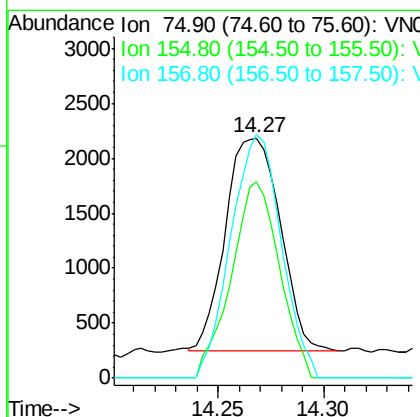
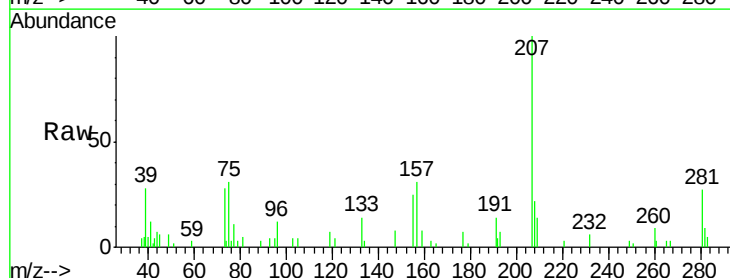
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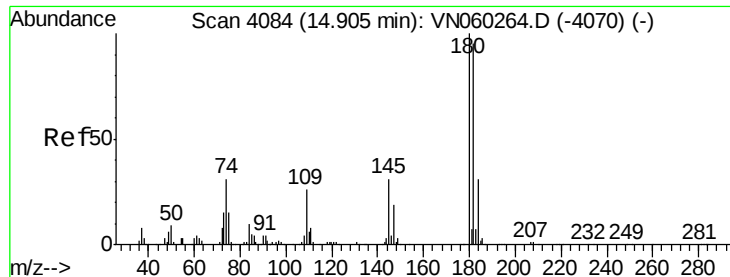
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.741 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN060262.D
 Acq: 27 Feb 2020 10:43

Tgt Ion	Ratio	Lower	Upper
75	100		
155	80.9	40.4	121.2
157	105.1	52.5	157.5





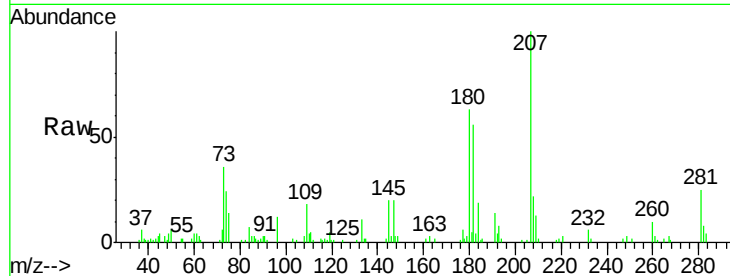
#93
 1,2,4-Trichlorobenzene
 Concen: 6.040 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. 0.00 min
 Lab File: VN060262.D
 Acq: 27 Feb 2020 10:43

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

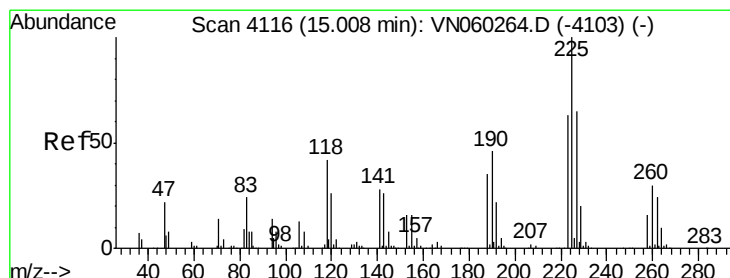
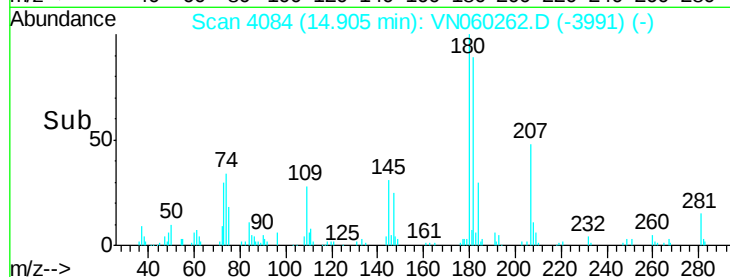
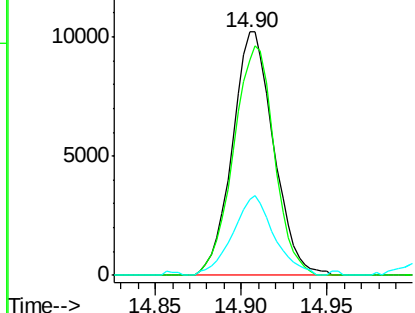
Tot Ion	Ratio	Lower	Upper
180	100		
182	92.5	47.8	143.3
145	32.7	15.4	46.1

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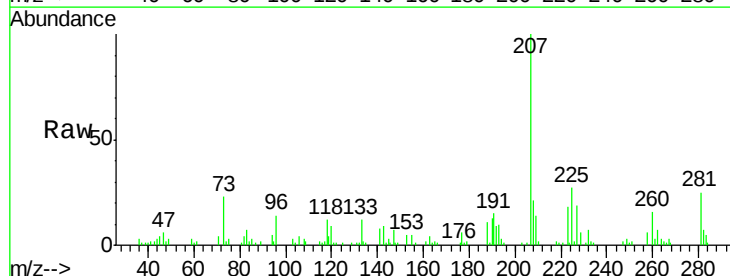


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

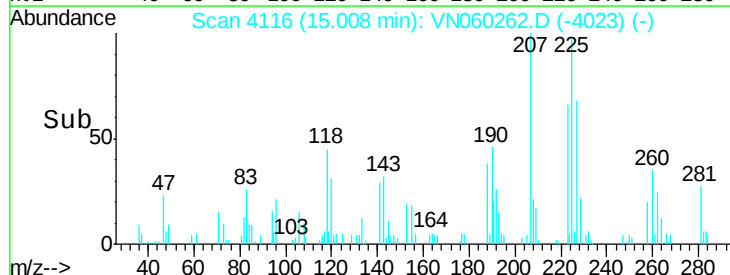
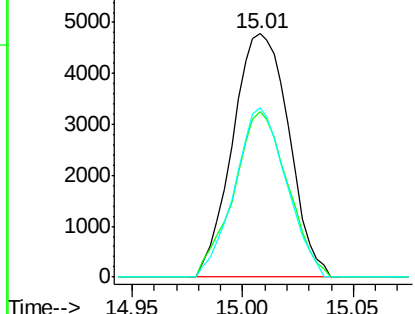


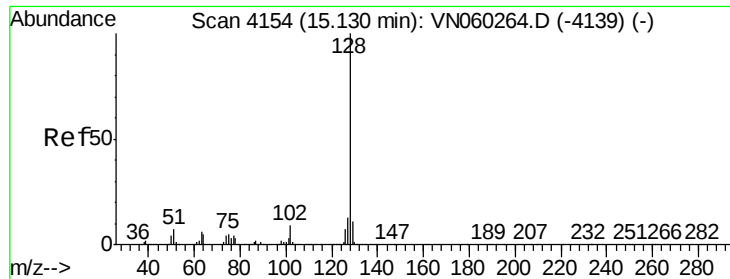
#94
 Hexachlorobutadiene
 Concen: 5.195 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN060262.D
 Acq: 27 Feb 2020 10:43

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.0	31.3	93.9
227	63.9	32.3	96.9



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





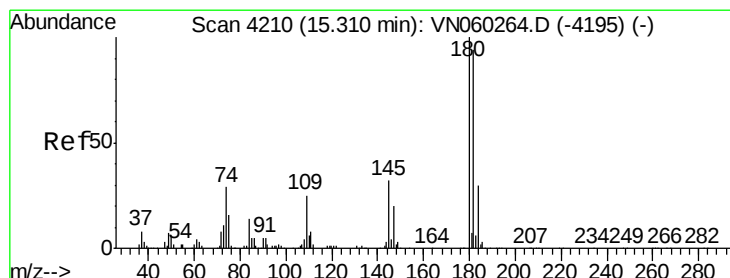
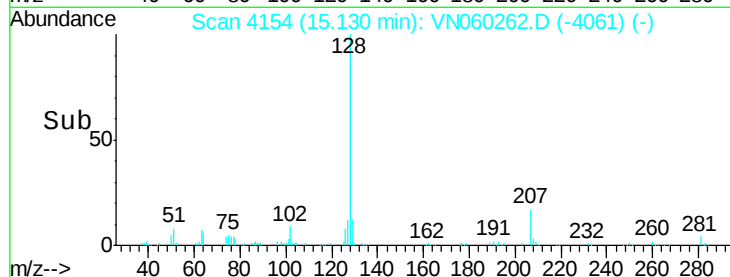
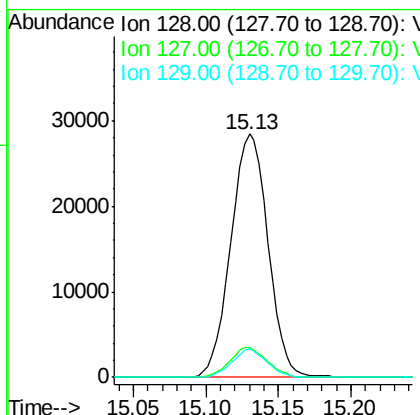
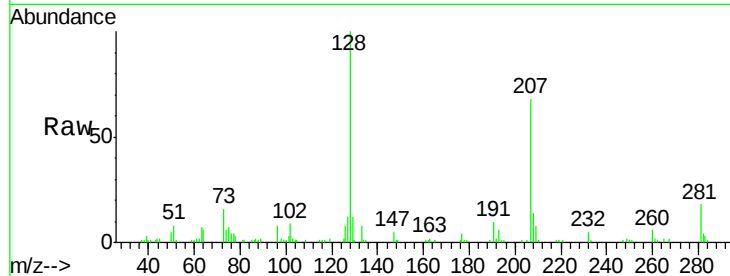
#95
Naphthalene
Concen: 6.529 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN060262.D
Acq: 27 Feb 2020 10:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.3	10.4	15.6
129	10.6	8.6	13.0

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#96
1,2,3-Trichlorobenzene
Concen: 5.813 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. 0.00 min
Lab File: VN060262.D
Acq: 27 Feb 2020 10:43

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.4	47.3	142.0
145	33.6	16.2	48.5

